SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0001
Model :	QB chassis / SC-428PT/PTL	**Bulletin Date :**	Jan. 9, 1997
Buyer :	: All subsidiaries	**ECN # & Date :**	Jan. 4, 1997

Subject : QB CHASSIS, Corrective action for Q44 failure

Background : Plan (Establish) a countermeasure about the Q404's failure in horizontal circuit of 14 inch color monitor.

¡à Symptom : No raster

Cause : For prevent the occurance of difference of horizontal/vertical off time in suspend mode, (Q415 base current limit) resistance value is setted to large value.
Due to this setting, when you change from suspend mode to normal mode Q415's off time is delayed about 15 ms and so Q404 is failed bacause abnormal pulse is generated at Q404's base which is H.D.T drive TR.

Solution : Change Q415 base current limit resistance

Application Date : Jan. 6, 1996

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		*
	SEC Code	Description	SEC Code	Description	**I.C**
R200	2001-000056	R-CF 4.7K, 1/6W	2001-000043	R-CF 1K, 1/6W	D
R461	2001-000056	R-CF 4.7K, 1/6W	2001-000029	R-CF 100 ohm, 1/6W	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange-ability Status (* I.C)	OLD → Early / NEW → Late (Part / Time)	OLD → Early / NEW → Late (Part / Time)	OLD Early / NEW → Late (Part / Time)	OLD → Early / NEW → Late (Part / Time)	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month			**Serial No.** (~ from)		
Published by	G. M. Chung	**Checked by**	J. S. Kim	**Approved by**	B. W. Kang

SAMSUNG ELECTRONIC

SERVICE BULLETIN

Product :	: Color Monitor	**Bulletin No. :**	97-C/M-E0002
Model :	: S/M17GLSi(MH chassis)]	**Bulletin Date :**	Jan. 17. 1997
Buyer :	: All subsidiaries	**ECN # & Date :**	

Subject : S/M17GLSI, Addition of RUBBER for Whistling sound

Background: Please apply below countermeasure if whistling sound occurs in S/M17GLSi monitor in field.

Symptom: Whistling sound

Cause: It is generated by harmonic noise between T402, L402 and PCB near the high voltage FBT.

Solution: To add the insulated rubber between bottom shield bracket and solder side of PCB that T402 marks.

*** Different PCB ass'y code by different CRT maker (MG/MH-chassis)

A> MG-CHASSIS

Model no.	CRT maker	PCB ass'y code
CMG-7377L	SDD	257 211080AAKD
	MATSUSHITA	BH92 50041A
	HITACHI	BH92 50039A

Application Date: Oct. 25. 1996

(* I.C.: Interchangeablity Code Type)

LOC. #	OLD PARTS		NEW PARTS		*
	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.
	-	-	BH61-30303A	RUBBER	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C.)	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

APPLICATION	Reference ( )	Whole sets ( )	Only Defected sets (O)
ATTACHMENT	Schematic Diagram (	Component Lay-out (O	Exploded View ( )
	Mechanical Diagram (	No Attached ( )	
PRODUCTION MONTH	Oct. 25. 1996	ECN NO. & DATE	

Published by	G. M. Chung	**Checked by**	J. S. Kim	**Approved by**	B. W. Kang

SAMSUNG ELECTRONIC

SERVICE BULLETIN

Product :	: Color Monitor	**Bulletin No.** :	97-C/M-E0003
Model :	: S/M21GLSi(21" FX chassis)]	**Bulletin Date** :	Jan. 27. 1997
Buyer :	: All subsidiaries	**ECN # & Date** :	

Subject : **S/M21GLSI, Display shift or Q302, R327 fail when recovery from long time suspend mod**

Background: Please refer to the following countermeasure and be careful Q302's terminal polarity is changed.

Symptom: The displayed picture is shifted and bounded intermittently. (Q302 or R327 fail)

Cause: This symptom is occurred because of Q302 failure due to moment over-current when power on/off and also occurred because of Q302 and R327 failure due to over-current when recovery from long time suspend mode.

Solution: Change of Q302, Q303 and R327's rating

Application Date: Feb. 01. 1997

(* I.C.: Interchangeablity Code Type)

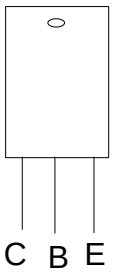
LOC. #	OLD PARTS		NEW PARTS		*
	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.
Q302	0501-000586	KSC945, 250mW	0502-000006	KSC1507, 15W	D
Q303	0501-000303	KSA733, 250mW	0501-000294	KSA708, 800mW	D
R327	2001-000526	R-CARBON, 1/6W, 22	2003-000590	MO, 2W, 22§Ù	D

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Chang Status (* I.C.)	OLD (Part) NEW → Early (Time) Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

APPLICATION	Reference (O) Whole sets ( ) Only Defected sets ( )		
ATTACHMENT	Schematic Diagram ( ), Component Lay-out (O), Exploded View ( ) Mechanical Diagram ( ), No Attached ( )		
PRODUCTION MONTH	Feb. 01. 1996	ECN NO. & DATE	
Published by G. M. Chung	**Checked by** J. S. Kim	**Approved by** B. W. Kang	

¡Ø The figure of Q302's polarity

- Q302 polarity



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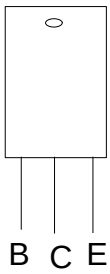
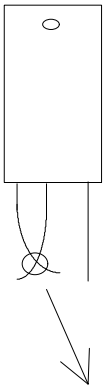


(Old Q302 - C B E) (New Q302 - B C E)

- If you want to do a service,

Please be careful that these two leads might be not touched each other.



Be careful that it is not touched.

SAMSUNG ELECTRONIC

SERVICE BULLETIN

Product :	: Color Monitor	**Bulletin No. :**	97-C/M-E0004
Model :	: S/M15GLi (MB chassis)	**Bulletin Date :**	Feb. 11. 1997
Buyer :	: All subsidiaries	**ECN # & Date :**	

SUBJECT : **S/M15GLSI, FBT(T402) REVISION UP**

Background: The different Resisters in accordance with revision # of FBT

Symptom: No Raster due to intermittent FBT failure

Caution: Please confirm the revision # of FBT(T402) when changing FBT due to the failure of FBT. If the new FBT which has Rev.05 or Rev.06 is replaced to the 3 new Resisters must be replaced to also as below. Other defective symptom may be occurred if 3 new resister in accordance with the new FBT is not applied to monitor. The component code # of all the revision # of FBT is same and revision # is marked on the sticker attached to FBT.
Namely, use the 3 Resisters in accordance with each Revision # of FBT.

Solution: 1. The REV. # is marked on FBT.
2. When changing to the REV.05 of FBT, others 3 items should be changed also.

Application Date: Oct. 24. 1996

(* I.C.: Interchangeablity Code Type)

LOC. #	OLD PARTS		NEW PARTS		*
	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.
T402	BH26-10303V	REV.04 FSA-15A003 SAMSUNG	BH26-10303V	REV.05 & REV.06 FSA-15A003 SAMSUNG	B
R516	2004-001319	1/4W, 86§Ú	2004-001349	1/4W, 91§Ú	B
R411	2001-000054	1/4W, 3.9§Ú	2004-000899	1/4W, 4.7§Ú	B
R412	2001-000722	1/4W, 4.3§Ú	2004-000698	1/4W, 3.3§Ú	B

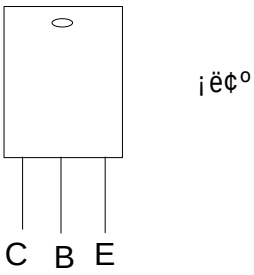
Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C.)	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

APPLICATION	Reference (**O**)	Whole sets ( )	Only Defected sets ( )
ATTACHMENT	Schematic Diagram (	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram (	No Attached (**O**)	
PRODUCTION MONTH	Nov. 1996	ECN NO. & DATE	

Published by	G. M. Chung	**Checked by**	J. S. Kim	**Approved by**	B. W. Kang

¡Ø The figure of Q302's polarity

- Q302 polarity



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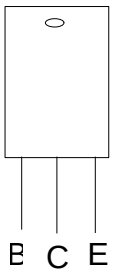
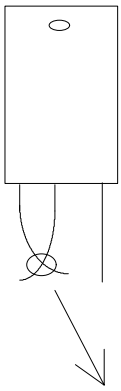


(Old Q302 - C B E) (New Q302 - B C E)

- If you want to do a service,

Please be careful that these two leads might be not touched each other.



Be careful that it is not touched.

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0005
Model :	S/M15Me (TG chassis)	**Bulletin Date :**	Mar. 18. 1997
Buyer :	All subsidiaries	**ECN # & Date :**	

SUBJECT : S/M15Me, No raster or one Vertical line due to Q407 fail

Background : No raster or one vertical line due to Q407 transistor fail

(Symptom)

Cause : Q407 is failed due to abnormal oscillation noise generated intermittently when mode is changed, especially it is failed in monitor with PC whose video card is Matrox.

Solution : To change the R409 and remove the C317 & J9.

Application Date : Mar. 09. 1997

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R409	2001-000923	680 ohm, 5%, 1/6W	2001-000039	390 ohm, 5%, 1/6W	C
C317	2301-000184	100V, 1nF	-	-	F
J9	BH39-40305U	CBF-Harness, 52 mm	-	-	F

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C)	OLD (Part) → Early (Time) / NEW → Late	OLD → Early (Part) / (Time) NEW → Late	OLD Early (Part) (Time) / NEW → Late	OLD → Early (Part) (Time) / NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

Application Reference ( ) Only Defected sets ( ) Whole sets (O)

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : Mar-97 **Serial No.** (~ from)

Published by : Y.K. Kweon **Checked by :** J.S. Kim **Approved by** B.W.KANG

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0006
Model :	MA/MB/MG/MH-Chassis,PUSAN MONITO	**Bulletin Date :**	Mar. 13. 1997
Buyer :	All subsidiaries	**ECN # & Date :**	

SUBJECT : MA CHASSIS, Defferent ass'y code by deffrent CRT maker.

Background : (Symptom) Please note that we inform you deffrent PCB ass'y code by CRT maker due to using multi sourcing of CRT maker on MA/MB/MG/MH chassis,Pusan monitor. (Unmatched PCB ass'y by CRT maker)

Cause : Please pay attention to CRT maker when defective units have it sometime exchange main PCB ass'y repaird.

Solution : Code no. of main pcb ass'y is seperated by CRT maker.

Application Date : Mar. 13. 1997

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	Details attached				C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C)	OLD (Part) → Early (Time) / NEW → Late	OLD (Part) → Early (Time) / NEW → Late	OLD (Part) → Early (Time) / NEW → Late	OLD (Part) → Early (Time) / NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : M.S. HAN **Checked by :** M.S. HAN **Approved by** B.W.KANG

¡á Part change Information

*** Bulletin No:** : 97-C/M-E0006

(Model: CMH7379):M624900012

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	MG25800805	MAIN B'D ASS'Y	MG25800805S	MAIN B'D ASS'Y (CRT TYPE: SAMSUNG)	C
			MG25800805T	MAIN B'D ASS'Y (CRT TYPE: TOSHIBA)	C
			MG25800805H	MAIN B'D ASS'Y (CRT TYPE: HITACHI)	C

(Model: SC-726GXL/D):M625804889

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	MG25800805	MAIN B'D ASS'Y	MG25800805S	MAIN B'D ASS'Y (CRT TYPE: SAMSUNG)	C
			MG25800805T	MAIN B'D ASS'Y (CRT TYPE: TOSHIBA)	C
			MG25800805H	MAIN B'D ASS'Y (CRT TYPE: HITACHI)	C

(Model: 17GLSI):M625301018

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	MG25300805	MAIN B'D ASS'Y	MG25800805S	MAIN B'D ASS'Y (CRT TYPE: SAMSUNG)	C
			MG25800805T	MAIN B'D ASS'Y (CRT TYPE: TOSHIBA)	C
			MG25800805H	MAIN B'D ASS'Y (CRT TYPE: HITACHI)	C

¡á Part change Information

*** Bulletin No:** : 97-C/M-E0006

(Model: SL-726DXL):M625900024

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	MG25900805	MAIN B'D ASS'Y	MG25900805S	MAIN B'D ASS'Y (CRT TYPE: SAMSUNG)	C
			MG25900805T	MAIN B'D ASS'Y (CRT TYPE: TOSHIBA)	C
			MG25900805H	MAIN B'D ASS'Y (CRT TYPE: HITACHI)	C

(Model: CMA 5377)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	257 212061AAAE 257 212061AAAB	MAIN B'D ASS'Y	257 211080AALN	MAIN B'D ASS'Y (CRT TYPE: SAMSUNG)	C
			BH92-50108G	MAIN B'D ASS'Y (CRT TYPE: TOSHIBA)	C
			BH92-50108H	MAIN B'D ASS'Y (CRT TYPE: PHILIPS)	C

(Model: CMB 5477)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	BH91-10165A	MAIN B'D ASS'Y	BH92-50036A	MAIN B'D ASS'Y (CRT TYPE: SAMSUNG)	C
			BH92-50010A	MAIN B'D ASS'Y (CRT TYPE: TOSHIBA)	C
			BH92-50031A	MAIN B'D ASS'Y (CRT TYPE: PHILIPS)	C

SAMSUNG ELECTRONICS

SERVICE BULLETIN

¡á Part change Information

*** Bulletin No:** : 97-C/M-E0006

(Model: CMG 7387)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	257 211070AABP	VIDEO B'D ASS'Y	257 211070AABP	VIDEO B'D ASS'Y (CRT TYPE: SAMSUNG, HITACHI, MATSUSHITA)	C

¡á Part change status (I.C Code)

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C)	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) EW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

SAMSUNG ELECTRONIC

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0007
Model :	MG-Chassis	**Bulletin Date :**	April 2. 1997
Buyer :	All subsidiaries	**ECN # & Date :**	

SUBJECT : MG CHASSIS, Video IC LM2427 failure Countermeasure

Background: Video IC LM2427 of 17 inch color monitor is failed due to input surge when power on/off or arcing of CRT

Symptom: No Video or No Raster

Caution: Please check this corrective action already applied or not when you receive defective monitor. If this action was not applied, please apply this.

Solution:
- Add diode and resistor at R,G,B output port of IC102(LM2427)
- Add Surge Absorber(200V) at R,G,B port of CRT socket.
  If 300V absorber already attached, please change to 200V absorber.

Application Date: March 05, 1997

(* I.C.: Interchangeablity Code Type)

LOC. #	OLD PARTS		NEW PARTS		*
	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C.)	OLD (Part) → NEW; Early (Time) → Late	OLD (Part) → NEW; Early (Time) → Late	OLD (Part) → NEW; Early (Time) → Late	OLD (Part) → NEW; Early (Time) → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

APPLICATION	Reference ( )	Whole sets ( )	Only Defected sets (O)	
ATTACHMENT	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )	
	Mechanical Diagram ( )	No Attached (O)		
PRODUCTION MONTH		ECN NO. & DATE		

Published by : M.S. HAN	**Checked by :** M.S. HAN	**Approved by** B.W.KANG

SAMSUNG ELECTRONICS

SERVICE BULLETIN

¡á Part change Information

*** Bulletin No:** 97-C/M-E0007

¢ÁModel :

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
DR109			893-190021AANA	BAV21	
DG109			893-190021AANA	BAV21	
DB109			893-190021AANA	BAV21	
RR120			2001-000020	R-CAR,1/2W 22OHM	
RG120			2001-000020	R-CAR,1/2W 22OHM	
RB120			2001-000020	R-CAR,1/2W 22OHM	
			4715-000102	SPARK-GAP,200V	

¢ÁModel :

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

¡á Part change status (I.C Code)

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C)	OLD (Part) → Early (Time) / NEW → Late	OLD (Part) → Early (Time) / NEW → Late	OLD (Part) → Early (Time) / NEW → Late	OLD (Part) → Early (Time) / NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

*** Bulletin No: 97-C/M-E0007**

VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
CORE-FERRITE BEAD	AA,3.5*1.5*0.7mm,1500,2375G	3301-000011	BD101	3301-000011	CORE-FERRITE BEAI	AA,3.5*1.5*0.7mm,1500,2375G
CORE-FERRITE BEAD	AA,3.5*1.5*0.7mm,1500,2375G	3301-000011	BD102	3301-000011	CORE-FERRITE BEAI	AA,3.5*1.5*0.7mm,1500,2375G
CORE-FERRITE BEAD	AA,3.5*1.5*0.7mm,1500,2375G	3301-000011	BD103	3301-000011	CORE-FERRITE BEAI	AA,3.5*1.5*0.7mm,1500,2375G
			BD104	3301-000011	CORE-FERRITE BEAI	AA,3.5*1.5*0.7mm,1500,2375G
CORE-FERRITE BEAD	AA,3.5*1.5*0.7mm,1500,2375G	3301-000011	BD105			
CORE-FERRITE BEAD	AA,3.5*1.5*0.7mm,1500,2375G	3301-000011	BD107			
CORE-FERRITE BEAD	AA,3.5*1.5*0.7mm,1500,2375G	3301-000011	BD151	3301-000011	CORE-FERRITE BEAI	AA,3.5*1.5*0.7mm,1500,2375G
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C101	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C102	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C104	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	150pF,5%,50V,NPO,10*3.5MM,5mm	2201-000234	C105	2201-000234	C-CERAMIC,DISC	150pF,5%,50V,NPO,10*3.5MM,5mm
C-CERAMIC,DISC	30pF,5%,50V,NPO,4*3.5MM,5mm	2201-000458	C106	2201-000458	C-CERAMIC,DISC	30pF,5%,50V,NPO,4*3.5MM,5mm
C-CERAMIC,DISC	100pF,5%,50V,SL,5*3.5MM,5mm	2201-000146	C107	2201-000146	C-CERAMIC,DISC	100pF,5%,50V,SL,5*3.5MM,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C108	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C109	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C110	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-AL	47nF,20%,16V,WT,6x11mm,5mm	2401-001515	C112	2401-001515	C-AL	470F,20%,16V,WT,6x11mm,5mm
C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5MM,5mm	2201-000009	C115	2201-000009	C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5MM,5mm
C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5MM,5mm	2201-000009	C116	2201-000009	C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5MM,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C117	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-AL	100uF,20%,25V,WT,8*11.5mm,5mm	2401-000317	C118	2401-000317	C-AL	100uF,20%,25V,WT,8*11.5mm,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C119	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C121	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C122	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C123	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-AL	10uF,20%,160V,WT,10x20mm,5mm	2401-000401	C124	2401-000401	C-AL	10uF,20%,160V,WT,10x20mm,5mm
C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm	2201-000019	C125	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm
C-AL	47nF,20%,16V,WT,6x11mm,5mm	2401-001515	C126	2401-000049	C-AL	47uF,20%,100V,WT,10x20mm,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C127	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-AL	10uF,20%,25V,WT,5*11mm,5mm	2401-000450	C128	2401-000450	C-AL	10uF,20%,25V,WT,5*11mm,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C130	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-AL	470uF,20%,16V,WT,10x20mm,5mm	2401-001378	C131	2401-001378	C-AL	470uF,20%,16V,WT,10x20mm,5mm
C-FILM,PEF	2.2nF,5%,100V,10.5*12.5*6.5mm,5mm	2301-000012	C132	2301-000012	C-FILM,PEF	2.2nF,5%,100V,10.5*12.5*6.5mm,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C133	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-AL	100uF,20%,25V,WT,8*11.5mm,5mm	2401-000317	C134	2401-000317	C-AL	100uF,20%,25V,WT,8*11.5mm,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C135	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-AL	100uF,20%,25V,WT,8*11.5mm,5mm	2401-000317	C136	2401-000317	C-AL	100uF,20%,25V,WT,8*11.5mm,5mm
C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm	2201-000019	C138	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm
C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm	2201-000019	C139	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C140	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C142	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C143	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C144	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C146	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm	2201-000021	C147	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C148	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm

VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
C-FILM,MPEF	100nF,5%M250V,13*11*6.5mm,7.5mm	2305-000009	C151	2305-000009	C-FILM,MPEF	100nF,5%M250V,13*11*6.5mm,7.5mm
C-AL	10uF,20%,250V,WT,10x20mm,5mm	2401-001872	C152	2401-001872	C-AL	10uF,20%,250V,WT,10x20mm,5mm
C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm	2201-000019	C153	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,10*4MM,5mm
C-CERAMIC,DISC	10nF,0.25pF,2KV,Y5U,16*6mm,10mm	2201-000166	C155	2201-000166	C-CERAMIC,DISC	10nF,0.25pF,2KV,Y5U,16*6mm,10mm
C-AL	10uF,20%,25V,WT,5*11mm,5mm	2401-000450	C161	2401-000450	C-AL	10uF,20%,25V,WT,5*11mm,5mm
C-FILM,PEF	33nF,10%,100V,7.5*12.5mm,5mm	2301-000017	C162	2301-000017	C-FILM,PEF	33nF,10%,100V,7.5*12.5mm,5mm
C-AL	1000uF,20%,16V,WT,10*20mm,5mm	2401-000142	C163	2401-000142	C-AL	1000uF,20%,16V,WT,10*20mm,5mm
C-AL	100uF,20%,25V,WT,8*11.5mm,5mm	2401-000317	C165	2401-000317	C-AL	100uF,20%,25V,WT,8*11.5mm,5mm
C-AL	4.7uF,20%,160V,WT,10*12.5mm,5mm	2401-001222	C172	2401-000317	C-AL	100uF,20%,25V,WT,8*11.5mm,5mm
			C173	2201-000021	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,8*5MM,5mm
C-FILM,PEF	10nF,5%,100V,7*3.2*7mm,5mm	2301-000015	C181	2301-000015	C-FILM,PEF	10nF,5%,100V,7*3.2*7mm,5mm
C-AL	1000uF,20%,16V,WT,10*20mm,5mm	2401-000142	C182	2401-000142	C-AL	1000uF,20%,16V,WT,10*20mm,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C184	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,MLC-AXIAL	100nF,+80/-20%,50V,Y5V,2.6*4.4mm	2202-002001	C185	2301-000010	C-FILM,PEF	100nF,10%,100V,11.5*12.5mm,5mm
C-CERAMIC,DISC	330pF,10%,50V,Y5P,4*3.5MM,5mm	2201-000471	C189	2201-000471	C-CERAMIC,DISC	330pF,10%,50V,Y5P,4*3.5MM,5mm
C-CERAMIC,DISC	220pF,5%,50V,Y5P,4*4MM,5mm	2201-000378	C190	2201-000378	C-CERAMIC,DISC	220pF,5%,50V,Y5P,4*4MM,5mm
C-FILM,PEF	10nF,5%,100V,7*3.2*7mm,5mm	2301-000015	C192	2301-000015	C-FILM,PEF	10nF,5%,100V,7*3.2*7mm,5mm
C-CERAMIC,DISC	33pF,5%,50V,NPO,4*3.5MM,5mm	2201-000010	C193	2201-000010	C-CERAMIC,DISC	33pF,5%,50V,NPO,4*3.5MM,5mm
C-FILM,PEF	47nF,10%,100V,8.5*12.5mm,5mm	2301-000018	C194	2301-000018	C-FILM,PEF	47nF,10%,100V,8.5*12.5mm,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	C199	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	39pF,5%,50V,NPO,5*3.5MM,5mm	2201-000502	CB101	2201-000132	C-CERAMIC,DISC	100pF,10%,500V,Y5P,6*3MM,5mm
C-AL	1uF,20%,250V,WT,5*11mm,5mm	2401-003022	CB102	2401-000573	C-AL	1uF,20%,250V,WT,6*11mm,5mm
C-AL	10uF,20%,25V,WT,5*11mm,5mm	2401-000450	CB103	2401-000450	C-AL	10uF,20%,25V,WT,5*11mm,5mm

VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	CB104	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	CB105	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	33pF,5%,50V,NPO,4*3.5MM,5mm	2201-000010	CB106	2201-000009	C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5mm,5mm
			CB107	2201-000423	C-CERAMIC,DISC	27pF,5%,50V,NPO,5.0*3.0mm,5mm
C-FILM,MPEF	270nF,5%,250V,13*13*7mm,7.5mm	2301-001034	CB108	2305-000009	C-FILM,MPEF	100nF,5%M250V,13*11*6.5mm,7.5mm
C-AL	4.7uF,20%,50V,WT,5*11mm,5mm	2401-001281	CB109	2401-001281	C-AL	4.7uF,20%,50V,WT,5*11mm,5mm
C-AL	4.7uF,20%,50V,WT,5*11mm,5mm	2401-001281	CB110	2401-001281	C-AL	4.7uF,20%,50V,WT,5*11mm,5mm
C-CERAMIC,DISC	15pF,5%,50V,NPO,4*3.5MM,5mm	2201-000247	CG101	2201-000132	C-CERAMIC,DISC	100pF,10%,500V,Y5P,6*3MM,5mm
C-AL	1uF,20%,250V,WT,5*11mm,5mm	2401-003022	CG102	2401-000573	C-AL	1uF,20%,250V,WT,6*11mm,5mm
C-AL	10uF,20%,25V,WT,5*11mm,5mm	2401-000450	CG103	2401-000450	C-AL	10uF,20%,25V,WT,5*11mm,5mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	CG104	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	CG105	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	15pF,5%,50V,NPO,4*3.5MM,5mm	2201-000247	CG106	2201-000009	C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5mm,5mm
			CG107	2201-000423	C-CERAMIC,DISC	27pF,5%,50V,NPO,5.0*3.0mm,5mm
C-FILM,MPEF	270nF,5%,250V,13*13*7mm,7.5mm	2301-001034	CG108	2305-000009	C-FILM,MPEF	100nF,5%M250V,13*11*6.5mm,7.5mm
C-AL	4.7uF,20%,50V,WT,5*11mm,5mm	2401-001281	CG109	2401-001281	C-AL	4.7uF,20%,50V,WT,5*11mm,5mm
C-AL	4.7uF,20%,50V,WT,5*11mm,5mm	2401-001281	CG110	2401-001281	C-AL	4.7uF,20%,50V,WT,5*11mm,5mm
CONNECTOR-HEADER	BOX,14P,1R,2mm,ANGLE,SN	3711-003227	CN101	3711-000702	CONNECTOR-HEADE	BOX,14P,1R,2mm,ANGLE,SN
CONNECTOR-HEADER	BOX,15P,1R,2mm,ANGLE,SN	3711-000713	CN103	3711-000713	CONNECTOR-HEADE	BOX,15P,1R,2mm,ANGLE,SN
CONNECTOR-HEADER	1WALL,11P,1R,2.5mm,ANGLE,SN	3711-000128	CN601A	3711-000128	CONNECTOR-HEADE	1WALL,11P,1R,2.5mm,ANGLE,SN
C-CERAMIC,DISC	39pF,5%,50V,NPO,5*3.5MM,5mm	2201-000502	CR101	2201-000132	C-CERAMIC,DISC	100pF,10%,500V,Y5P,6*3MM,5mm
C-AL	1uF,20%,250V,WT,5*11mm,5mm	2401-003022	CR102	2401-000573	C-AL	1uF,20%,250V,WT,6*11mm,5mm
C-AL	10uF,20%,25V,WT,5*11mm,5mm	2401-000450	CR103	2401-000450	C-AL	10uF,20%,25V,WT,5*11mm,5mm

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	CR104	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,MLC-RADIAL	100nF,10%,50V,X7R,5.08*6.60mm	2202-000321	CR105	2202-000321	C-CERAMIC,MLC-RAI	100nF,10%,50V,X7R,5.08*6.60mm
C-CERAMIC,DISC	47pF,5%,50V,NPO,6.5*3MM,5mm	2201-000011	CR106	2201-000009	C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5mm,5mm
			CR107	2201-000009	C-CERAMIC,DISC	22pF,5%,50V,NPO,4*3.5mm,5mm
C-FILM,MPEF	270nF,5%,250V,13*13*7mm,7.5mm	2301-001034	CR108	2305-000009	C-FILM,MPEF	100nF,5%,250V,13*11*6.5mm,7.5mm
C-AL	4.7uF,20%,50V,WT,5*11mm,5mm	2401-001281	CR109	2401-001281	C-AL	4.7uF,20%,50V,WT,5*11mm,5mm
C-AL	4.7uF,20%,50V,WT,5*11mm,5mm	2401-001281	CR110	2401-001281	C-AL	4.7uF,20%,50V,WT,5*11mm,5mm
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D101	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D105	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D107	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D109	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D111	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D113	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D114	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	D150	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-RECTIFIER	1N4007GP,1000V,1A,DO-41	0402-000006	D151	0402-000006	DIODE-RECTIFIER	1N4007GP,1000V,1A,DO-41
DIODE-RECTIFIER	1N4007GP,1000V,1A,DO-41	0402-000006	D152	0402-000006	DIODE-RECTIFIER	1N4007GP,1000V,1A,DO-41
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DB101	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DB102	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DB103	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DB104	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DB105	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DB106	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DB109	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DG101	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DG102	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DG103	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DG104	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DG105	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DG106	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DG109	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DR101	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DR102	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DR103	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DR104	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DR105	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35	0401-000005	DR106	0401-000005	DIODE-SWITCHING	1N4148,75V,150MA,500MW,DO35
DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS	0401-000006	DR109	0401-000006	DIODE-SWITCHING	BAV21,200V,250mA,400mW,50nS
CBF-HARNESS	100MM,BLK,UL1015,AWG18,CORE	BH39-40322V	GND1	BH39-40322V	CBF-HARNESS	1P,100MM,BLK,1015,AWG18
CBF-HARNESS	130MM,BLK,UL1015,AWG22	BH39-40359G	GND2			
IC-VIDEO PRE AMP	1207,DIP,28P	1201-000390	IC101	1201-000390	IC-VIDEO AMP	1207,DIP,28P
IC-HYBRID,AMP	VP603,18P,ZIP,CRT/DRIVER	BH13-10334M	IC102	1201-000397	IC-VIDEO AMP	2427,SIP,12P,85V
IC-DISPLAY DRIVER	LSC4320P,DIP,16P,OSD	1003-000123	IC103	1003-000123	IC-DISPLAY DRIVER	MC4320P,DIP,16P,OSD
IC-CMOS LOGIC	74HC125,BUFFER,DIP,14P,300MIL	0801-000699	IC104	0801-000699	IC-CMOS LOGIC	74HC125,BUFFER,DIP,14P,300MIL
IC-HYBRID	MV17LO,SIP,11P,VIDEO CUTOFF	BH13-10001A	IC105	BH13-10001A	IC-HYBRID	MV17LO,SIP,11P,VIDEO CUTOFF
IC-VOLTAGE COMP.	319,DIP,14P,300MIL,DUAL,15V	1202-000119	IC106	1202-000119	IC-VOLTAGE COMP.	319,DIP,14P,300MIL,DUAL,15V

VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
				1203-000118	IC-NEGA.FIXED REG.	7905,TO-220,3P
JUMP WIRE	52MM	BH39-40305U	JP1(R199	BH39-40305U	JUMP WIRE	52MM
INDUCTOR-AXIAL	150uH,10%,4.2*9.8mm	2701-000124	L102	2701-000124	INDUCTOR-AXIAL	150uH,10%,4.2*9.8mm
INDUCTOR-AXIAL	470nH,20%,4*9.8mm	2701-000190	LB151	2701-000190	INDUCTOR-AXIAL	470nH,20%,4*9.8mm
FILTER-EMI ON BOARD	50V,1A	2901-000193	LF101	2901-000193	FILTER-EMI ON BOAR	50V,1A
INDUCTOR-AXIAL	470nH,20%,4*9.8mm	2701-000190	LG151	2701-000190	INDUCTOR-AXIAL	470nH,20%,4*9.8mm
INDUCTOR-AXIAL	470nH,20%,4*9.8mm	2701-000190	LR151	2701-000190	INDUCTOR-AXIAL	470nH,20%,4*9.8mm
TR-SMALL SIGNAL	2N3906,PNP,40V,-40V,-200mA	0501-000581	Q101	0501-000581	TR-SMALL SIGNAL	2N3906,PNP,40V,-40V,-200mA
TR-SMALL SIGNAL	MPS3646,NPN,40V,15V,300mA	0501-000492	Q102	0501-000492	TR-SMALL SIGNAL	MPS3646,NPN,40V,15V,300mA
TR-SMALL SIGNAL	2N3904,NPN,60V,40V,200mA	0501-000122	Q103	0501-000122	TR-SMALL SIGNAL	2N3904,NPN,60V,40V,200mA
TR-SMALL SIGNAL	2N3904,NPN,60V,40V,200mA	0501-000122	Q104	0501-000122	TR-SMALL SIGNAL	2N3904,NPN,60V,40V,200mA
TR-POWER	KSC3953,NPN,120V,120V,200mA	0502-000277	QB101	0502-000277	TR-POWER	KSC3953,NPN,120V,120V,200mA
TR-POWER	KSC3953,NPN,120V,120V,200mA	0502-000277	QG101	0502-000277	TR-POWER	KSC3953,NPN,120V,120V,200mA
TR-POWER	KSC3953,NPN,120V,120V,200mA	0502-000277	QR101	0502-000277	TR-POWER	KSC3953,NPN,120V,120V,200mA
R-CARBON(S)	100ohm,5%,1/2W	2001-000028	R101			
R-CARBON	2.7Kohm,5%,1/6W	2001-000051	R102	2001-000108	R-CARBON	18Kohm,5%,1/6W
R-CARBON	10ohm,5%,1/6W	2001-000301	R103	2001-000301	R-CARBON	10ohm,5%,1/6W
R-CARBON	1Kohm,5%,1/6W	2001-000043	R104	2001-000043	R-CARBON	1Kohm,5%,1/6W
R-CARBON	1.5Kohm,5%,1/6W	2001-000106	R105	2001-000106	R-CARBON	1.5Kohm,5%,1/6W
R-CARBON	2.7Kohm,5%,1/6W	2001-000051	R106	2001-000051	R-CARBON	2.7Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/6W	2001-000056	R107	2001-000056	R-CARBON	4.7Kohm,5%,1/6W
R-CARBON	1Kohm,5%,1/6W	2001-000043	R108	2001-000043	R-CARBON	1Kohm,5%,1/6W
R-CARBON	1Kohm,5%,1/6W	2001-000043	R109	2001-000043	R-CARBON	1Kohm,5%,1/6W

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
R-CARBON	180Kohm,5%,1/6W	2001-000090	R111	2001-000090	R-CARBON	180Kohm,5%,1/6W
R-CARBON	2.2Kohm,5%,1/6W	2001-000048	R112	2001-000048	R-CARBON	2.2Kohm,5%,1/6W
R-CARBON	10ohm,5%,1/6W	2001-000301	R114	2001-000301	R-CARBON	10ohm,5%,1/6W
R-METAL FILM	12Kohm,1%,1/4W	2004-000284	R115	2004-000284	R-METAL	12Kohm,1%,1/4W
R-METAL FILM	2.2Kohm,1%,1/4W	2004-000458	R116	2004-001187	R-METAL	680ohm,1%,1/4W
R-CARBON(S)	22ohm,5%,1/2W	2001-000020	R117	2001-000020	R-CARBON(S)	22ohm,5%,1/2W
R-CARBON	33ohm,5%,1/6W	2001-000665	R118	2001-000665	R-CARBON	33ohm,5%,1/6W
R-CARBON	750ohm,5%,1/6W	2001-000957	R119	2001-000957	R-CARBON	750ohm,5%,1/6W
R-METAL OXIDE(S)	47Kohm,5%,2W	2003-000706	R120	2003-000706	R-METAL OXIDE(S)	47Kohm,5%,2W
R-CARBON	1.8Kohm,5%,1/6W	2001-000046	R121	2001-000046	R-CARBON	1.8Kohm,5%,1/6W
R-CARBON	100ohm,5%,1/2W	2001-000278	R153	2001-000278	R-CARBON	100ohm,5%,1/2W
R-CARBON	4.7Kohm,5%,1/6W	2001-000056	R160	2001-000056	R-CARBON	4.7Kohm,5%,1/6W
R-CARBON	470ohm,5%,1/6W	2001-000040	R161	2001-000040	R-CARBON	470ohm,5%,1/6W
R-CARBON	220ohm,5%,1/6W	2001-000035	R163	2001-000035	R-CARBON	220ohm,5%,1/6W
R-CARBON	2.2Kohm,5%,1/6W	2001-000048	R165	2001-000048	R-CARBON	2.2Kohm,5%,1/6W
R-CARBON	3.3Kohm,5%,1/6W	2001-000053	R166	2001-000053	R-CARBON	3.3Kohm,5%,1/6W
R-CARBON	120ohm,5%,1/6W	2001-000324	R167	2001-000324	R-CARBON	120ohm,5%,1/6W
R-CARBON	220ohm,5%,1/4W	2001-000034	R168	2001-000034	R-CARBON	220ohm,5%,1/4W
R-CARBON	47Kohm,5%,1/6W	2001-000077	R169	2001-000077	R-CARBON	47Kohm,5%,1/6W
R-CARBON	47Kohm,5%,1/6W	2001-000077	R170	2001-000077	R-CARBON	47Kohm,5%,1/6W
R-CARBON	10ohm,5%,1/6W	2001-000301	R185	2001-000301	R-CARBON	10ohm,5%,1/6W
R-CARBON	7.5Kohm,5%,1/6W	2001-000064	R188	2001-000064	R-CARBON	4.7Kohm,5%,1/6W
R-CARBON	2Kohm,5%,1/6W	2001-000001	R189	2001-000001	R-CARBON	2Kohm,5%,1/6W

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
R-CARBON	27Kohm,5%,1/6W	2001-000562	R190	2001-000562	R-CARBON	27Kohm,5%,1/6W
R-CARBON	75ohm,5%,1/6W	2001-000026	RB101	2001-000026	R-CARBON	75ohm,5%,1/6W
R-CARBON	75ohm,5%,1/6W	2001-000026	RB102	2001-000026	R-CARBON	75ohm,5%,1/6W
R-CARBON	390ohm,5%,1/6W	2001-000039	RB105	2001-000039	R-CARBON	390ohm,5%,1/6W
R-CARBON(S)	270ohm,5%,1/2W	2001-001114	RB107	2001-001114	R-CARBON(S)	270ohm,5%,1/2W
R-CARBON	33ohm,5%,1/6W	2001-000665	RB108	2001-000652	R-CARBON	330ohm,5%,1/6W
R-CARBON	390ohm,5%,1/6W	2001-000039	RB109	2001-000761	R-CARBON	430ohm,5%,1/8W
R-CARBON	1Mohm,5%,1/4W	2001-000432	RB110	2001-000546	R-CARBON	270Kohm,5%,1/4W
R-CARBON	270Kohm,5%,1/4W	2001-000546	RB111	2001-000546	R-CARBON	270Kohm,5%,1/4W
R-CARBON	150ohm,5%,1/4W	2001-000111	RB112	2001-000484	R-CARBON	200Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/4W	2001-000055	RB114	2001-000055	R-CARBON	4.7Kohm,5%,1/4W
R-CARBON	1Kohm,5%,1/6W	2001-000043	RB115	2001-000043	R-CARBON	1Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/6W	2001-000056	RB116	2001-000056	R-CARBON	4.7Kohm,5%,1/6W
			RB120	2001-000020	R-CARBON(S)	22ohm,5%,1/2W
R-COMPOSITION	39ohm,10%,1/2W	2002-000142	RB152	2002-000142	R-COMPOSITION	39ohm,10%,1/2W
R-CARBON	75ohm,5%,1/6W	2001-000026	RG101	2001-000026	R-CARBON	75ohm,5%,1/6W
R-CARBON	75ohm,5%,1/6W	2001-000026	RG102	2001-000026	R-CARBON	75ohm,5%,1/6W
R-CARBON	390ohm,5%,1/6W	2001-000039	RG105	2001-000039	R-CARBON	390ohm,5%,1/6W
R-CARBON(S)	270ohm,5%,1/2W	2001-001114	RG107	2001-001114	R-CARBON(S)	270ohm,5%,1/2W
R-CARBON	33ohm,5%,1/6W	2001-000665	RG108	2001-000652	R-CARBON	330ohm,5%,1/6W
R-CARBON	330ohm,5%,1/6W	2001-000652	RG109	2001-000761	R-CARBON	430ohm,5%,1/8W
R-CARBON	1Mohm,5%,1/4W	2001-000432	RG110	2001-000546	R-CARBON	270Kohm,5%,1/4W
R-CARBON	270Kohm,5%,1/4W	2001-000546	RG111	2001-000546	R-CARBON	270Kohm,5%,1/4W

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
R-CARBON	150ohm,5%,1/4W	2001-000111	RG112	2001-000484	R-CARBON	200Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/4W	2001-000055	RG114	2001-000055	R-CARBON	4.7Kohm,5%,1/4W
R-CARBON	1Kohm,5%,1/6W	2001-000043	RG115	2001-000043	R-CARBON	1Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/6W	2001-000056	RG116	2001-000056	R-CARBON	4.7Kohm,5%,1/6W
			RG120	2001-000020	R-CARBON(S)	22ohm,5%,1/2W
R-COMPOSITION	39ohm,10%,1/2W	2002-000142	RG152	2002-000142	R-COMPOSITION	39ohm,10%,1/2W
R-CARBON	75ohm,5%,1/6W	2001-000026	RR101	2001-000026	R-CARBON	75ohm,5%,1/6W
R-CARBON	75ohm,5%,1/6W	2001-000026	RR102	2001-000026	R-CARBON	75ohm,5%,1/6W
R-CARBON	390ohm,5%,1/6W	2001-000039	RR105	2001-000039	R-CARBON	390ohm,5%,1/6W
R-CARBON(S)	270ohm,5%,1/2W	2001-001114	RR107	2001-001114	R-CARBON(S)	270ohm,5%,1/2W
R-CARBON	33ohm,5%,1/6W	2001-000665	RR108	2001-000652	R-CARBON	330ohm,5%,1/6W
R-CARBON	330ohm,5%,1/6W	2001-000652	RR109	2001-000761	R-CARBON	430ohm,5%,1/8W
R-CARBON	1Mohm,5%,1/4W	2001-000432	RR110	2001-000546	R-CARBON	270Kohm,5%,1/4W
R-CARBON	270Kohm,5%,1/4W	2001-000546	RR111	2001-000546	R-CARBON	270Kohm,5%,1/4W
R-CARBON	150ohm,5%,1/4W	2001-000111	RR112	2001-000484	R-CARBON	200Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/4W	2001-000055	RR114	2001-000055	R-CARBON	4.7Kohm,5%,1/4W
R-CARBON	1Kohm,5%,1/6W	2001-000043	RR115	2001-000043	R-CARBON	1Kohm,5%,1/6W
R-CARBON	4.7Kohm,5%,1/6W	2001-000056	RR116	2001-000056	R-CARBON	4.7Kohm,5%,1/6W
			RR120	2001-000020	R-CARBON(S)	22ohm,5%,1/2W
R-COMPOSITION	39ohm,10%,1/2W	2002-000142	RR152	2002-000142	R-COMPOSITION	39ohm,10%,1/2W
PIN-GT	14mm,2.35PI	3712-000338	SCREEN	3712-000338	PIN-GT	14mm,2.35PI
SURGE ABSORBER	200V,20%,1000A,RADIAL	4715-000102	SG151	4715-000102	SURGE ABSORBER	200V,20%,1000A,RADIAL
SURGE ABSORBER	200V,20%,1000A,RADIAL	4715-000102	SG152	4715-000102	SURGE ABSORBER	200V,20%,1000A,RADIAL

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VP603 (MP6.03) [Video PCB VP603&LM2427] LM2427 (MP5.03)

Item	Spec	Code No	Loc No	Code No	Item	Spec
SURGE ABSORBER	200V,20%,1000A,RADIAL	4715-000102	SG153	4715-000102	SURGE ABSORBER	200V,20%,1000A,RADIAL
SURGE ABSORBER	300V,20%,RADIAL	4715-000106	SG154	4715-000106	SURGE ABSORBER	300V,20%,RADIAL
SOCKET-CRT	12P,23PI,SN	3704-000108	SK1	3704-001036	SOCKET-CRT	13P,15.24PI,29PI,NI+SN
LABEL-MARK	ART,120G,BLK+DIC157+DIC568	BH68-20003J	STICKER			
PCB-VIDEO	CMG7377,2L,330*247*1.6T,SILVER	BH41-10341X	PCB	BH41-10308P	PCB-VIDEO	CMG7377,2L,330*247*1.6T,SILVER
DIODE-ZENER	UZ5.1B,5.1V,4.8~5.4V,500mW	0403-000005	ZD102	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
DIODE-ZENER	BZX79C5V6,5.6V,5%,500mW	0403-000508	ZD103	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
DIODE-ZENER	UZ5.1B,5.1V,4.8~5.4V,500mW	0403-000005	ZD104	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
DIODE-ZENER	UZ5.1B,5.1V,4.8~5.4V,500mW	0403-000005	ZD105	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
DIODE-ZENER	UZ5.1B,5.1V,4.8~5.4V,500mW	0403-000005	ZD106	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
DIODE-ZENER	UZ5.1B,5.1V,4.8~5.4V,500mW	0403-000005	ZD107	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
DIODE-ZENER	UZ9.1BM,9.1V,8.5~9.6V,500mW	0403-000372	ZD108	0403-000372	DIODE-ZENER	UZ9.1BM,9.1V,8.5-9.6V,500mW
DIODE-ZENER	BZX79C5V6,5.6V,5%,500mW	0403-000508	ZD115			
DIODE-ZENER	UZ7.5BM,7.5V,7.2~7.7V,500mW	0403-000366	ZD123			
DIODE-ZENER	UZ7.5BM,7.5V,7.2~7.7V,500mW	0403-000366	Bottom1	0403-000366	DIODE-ZENER	UZ7.5BM,7.5V,7.2~7.7V,500mW
DIODE-ZENER	UZ7.5BM,7.5V,7.2~7.7V,500mW	0403-000366	Bottom2	0403-000366	DIODE-ZENER	UZ7.5BM,7.5V,7.2~7.7V,500mW
			Bottom3	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW
			Bottom4	0403-000366	DIODE-ZENER	UZ7.5BM,7.5V,7.2~7.7V,500mW

¡á Distribution List and Remarks

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No.	Subsidiary Distributor	Country	Applicable Model or Remarks
1	AST COMPUTER		
2	DELL		
3	FUJITSU ICL		
4	HEWLETT PACKARD		
5	SAPL SERVICE		
6	SASC		
7	SEA		
8	SEAU		
9	SECA		
10	SECOSA		
11	SEDA		
12	SEF		
13	SEF		
14	SEG		
15	SEH		
16	SEI		
17	SEJ		
18	SEM		
19	SEP		
20	SESAB		
21	SESC		
22	SEUK		
23	SGSC		
24	SIEMENS NIXDORF		
25	SLSC		
26	SMSC		
27	SPSC		

SAMSUNG ELECTRONIC

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0008
Model :	GE / GC - Chassis	**Bulletin Date :**	Apr. 2. 1997
Buyer :	All subsidiaries	**ECN # & Date :**	Apr. 2. 1997

SUBJECT : GE CHASSIS, Corrective action for video IC102 failure. (GE/GC-Chassis)

Background: Please note that we inform you improved IC102 (LM2405) date code no. by maker due to do you sourcing of SANYO maker on GE/GC- chassis.

Symptom: No video

Caution Please check the data code no. of your stock spare part on LM2405 Ics, and use NEW date code instead of using Old date codes.

* Old date code : 6XXX
* New date code : 71XX ~

Solution: Modified inside chip of LM2405

Application Date: Mar. 04. 1997

(* I.C.: Interchangeablity Code Type)

	OLD PARTS		NEW PARTS		*
LOC. #	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.
IC102	BH13-10334K	LM2405 / 6XXX	BH13-10334K	LM2405 / 71AA	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
I/Change Status (* I.C.)	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

APPLICATION Reference (O) Whole sets ( ) Only Defected sets ( )

ATTACHMENT Schematic Diagram (Component Lay-out ( ) Exploded View ( )
Mechanical Diagram (No Attached ( )

PRODUCTION MONTH Sep. 2. 1996 ECN NO. & DATE

Published by G.M.CHUNG Checked B.J.KIM Approved by B.W.KANG

¡á Distribution List and Remarks

*** Bulletin No: 97-C/M-E0008**

No.	Subsidiary Distributor	Country	Applicable Model or Remarks
1	AST COMPUTER		
2	FUJITSU-ICL		
3	HEWWLETT PACKARD		
4	IBM		
5	SAPL SERVICE		
6	SASC		
7	SEA		
8	SEAU		
9	SECA		
10	SECOSA		
11	SEDA		
12	SEF		
13	SEF		
14	SEG		
15	SEH		
16	SEI		
17	SEJ		
18	SEM		
19	SEP		
20	SESAB		
21	SESC		
22	SEUK		
23	SGSC		
24	SLSC		
25	SMSC		
26	SPSC		

SAMSUNG ELECTRONIC

SERVICE

PRODUCT	Color Monitor	BULLETIN No	97-C/M-E0009
MODEL	CMH	Bulletin Date	Apr. 4. 1997
BUYER	All Subsidiaries	ECN Date	Apr. 4. 1997

SUBJECT : **Different PCB ass'y code by two vendor. (MH-Chassis)**

Background: Please note that we inform you of two vendor pcb ass'y code of CMH-chassis.

Symptom: Mismatched PCB ass'y

Caution Please pay attention to vendor and correct ass'y code no. when you order PCB ass'y as service part.

Solution: Code no. of PCB ass'y is seperated by two vendor

Application Date: Apr. 04. 1997

(* I.C.: Interchangeablity Code Type)

LOC. #	OLD PARTS SEC CODE	OLD PARTS DESCRIPTION	NEW PARTS SEC CODE	NEW PARTS DESCRIPTION	* I.C.
	See attachment				

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Change Status (C.S)	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	OLD (Part) NEW / Early (Time) Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

APPLICATION	Reference (O)	Whole sets ( )	Only Defected sets ( )	
ATTACHMENT	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )	
	Mechanical Diagram ( )	No Attached ( )		
PRODUCTION MONTH		ECN NO. & DATE		
Published by G.M.CHUNG	Checked B.J.KIM	Approved by B.W.KANG		

SAMSUNG ELECTRONIC

SERVICE BULLETIN

¡á PART CHANGE INFORMATION **BULLETIN # 97-C/M-E0009**

(Model: CMH-7379LS / BASIC)

LOC. #	OLD PARTS		NEW PARTS		*
	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.
ASS'Y	BH92-50027A	MAIN B'D(SDD CR	BH92-50027A	MAIN B'D(SDD CRT)	A

(Model: A4330A / HP)

LOC. #	OLD PARTS		NEW PARTS		*
	SEC CODE	DESCRIPTION	SEC CODE	DESCRIPTION	I.C.
ASS'Y	BH92-50027A	MAIN B'D(SDD CR	BH92-50113Q	MAIN B'D(SDD CRT)	C

¡á PART CHANGE STATUS (C.S. code)

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Change Status (C.S)	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD → Early (Part) (Time) NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product : Color Monitor	**Bulletin No. : 97-C/M-E0010**
Model : CQB4147	**Bulletin Date : May 2. 1997**
Buyer : All Subsidiaries	**ECN Date : May 1. 1997**

SUBJECT : CQB4147, Quality Improve - Correction of H-out TR(Q403) failure

Background : No power by H-out TR(Q403:BU2508) fail

(Symptom) A Changed transistor 2SC45149 has higher hfe than BU2508DF.

Cause : Q403(BU2508DF) is intermittently failed by surge current from 166volt B+line when monitor is recovered from DPMS mode.

Solution : Change H-out transistor from BU2508DF to 2SC5149

Application Date : May 1. 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
Q403	0502-000007	BU2508DF	0502-000005	2SC5149	B

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )

Product Month : May 1997	**Serial No.** (~ from) HMAH500001 ~

Published by : G.M.Chung	**Checked by : J.S.Kim**	**Approved by : B.W.Kang**

¡á Distribution List and Remarks *** Bulletin No: 97-C/M-E0010**

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SLSC	PANAMA	
3	SESC	U.K	
4	SGSC	UAE	
5	SASC	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0011
Model :	CGK55*7	**Bulletin Date :**	May 20. 1997
Buyer :	All Subsidiaries	**ECN Date :**	April 28. 1997

SUBJECT : CGK55*7, Corrective Action for contrast noise

Background : Insert Capacitor in video pre-Amp parts for improvement of contrast noise.
(Symptom)

Cause : Contrast noise.

Solution : Add capacitor(C120) between + lead of C109 and GND of C113.

Application Date : April 28. 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C120	None		2202-002008	Ceramic Cap - 103J, 50V	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : April 1997 **Serial No.** (~ from) H8OH400001 ~

Published by : T.J.Woo **Checked by : J.S.Kim** **Approved by : B.W.Kang**

¡á Distribution List and Remarks *** Bulletin No: 97-C/M-E0011**

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SLSC	PANAMA	
3	SESC	U.K	
4	SGSC	UAE	
5	SASC	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0012
Model :	CFG9637	**Bulletin Date :**	May 26. 1997
Buyer :	All Subsidiaries	**ECN Date :**	March 21. 1997

SUBJECT : CFG9637, OSD does not operate by IC LM1205 failure.

Background : OSD does not operate by IC LM1205 failure.
(Symptom)

Cause : OSD blanking input stage is shorted with Vcc input stage by CRT discharge and surge current.

Solution : Add zener diode between LM1205 13th pin and GND.
Change jumper wire to resistor which is delay resistor for improvement of discharge effect of surge absorber.
Change spark gap from 300volts to 200volts.

Application Date : April 28. 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	None		0403-000366	ZD 7.5V	E
JP104	Jumper Wire		2001-000028	R-CF(S), 100§Ù, 1/2W	E
SGR1	4715-000106	300V, Surge Absorber	4715-000102	200V, Surge Absorber	C
SGB1	4715-000106	300V, Surge Absorber	4715-000102	200V, Surge Absorber	C
SGG1	4715-000106	300V, Surge Absorber	4715-000102	200V, Surge Absorber	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : April 1997 **Serial No.** (~ from) H3NH300117 ~

Published by : T.J.Woo **Checked by : J.S.Kim** **Approved by : B.W.Kang**

¡á Distribution List and Remarks

*** Bulletin No: 97-C/M-E0012**

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0013
Model :	MH Chassis	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : MH CHASSIS, Parts Change - 0.26 Hitachi CRT type change (High ¡æ Lower Power type)

Background : MH-chasis of 0.26 Hitachi CRT type is to revised from High power type to Low Power type.
(Symptom)

Solution :

**** High Power type (Current) ****
- CRT : BH03-10302M
- R181 : R-Mo, 3W, 1.2 ohm
- R182 : R-Mo, 3W, 1.2 ohm

**** Low Power type (Changed) ****
- CRT : BH03-10043A
- R181 : R-Mo, 3W, 2.7 ohm
- R182 : R-Mo, 3W, 3.3 ohm
- CRT sticker change : BH68-20003K

¡Ø CRT sitcker was attached upon kinds of CRT; need suitable new stickers for Hitachi Low Power type.

Application Date : March 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : March 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0014
Model :	CGB 56X7	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : CGB56*7, Jitter noise when using Mac. PC. (f=35KHz - 66Hz)

Background : when use of GB-Chassis model on Mac. PC, Jitter Noise appears on screen

(Symptom) (f=35KHZ-66HZ)

Cause : Due to Horizontal circuit of Base Signal Distortion

Solution : Change circuite component value

- R451 : 1/6W, 470 ohm ¡æ 1/6W, 10 Kohm
- C436 : 1nF 100V ¡æ 0.33nF 100V

Application Date : Jan. 25, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		*
	SEC Code	Description	SEC Code	Description	**I.C**

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : Jan. 25, 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0015
Model :	QB Basic, SC428PT/PTL	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : QB CHASSIS, Quality Improve - Horizontal Driving TR (Q403) fail problem

Background : Due to circuit TR Q415 of delay in off time, Failure to Horizontal driving
(Symptom) TRQ403 when suspend off mode to returning Normal mode.

Solution : Change circuit component value

- R461 : Res-Carbon 100 ohm, 1/6W ¡æ Res-Carbon 1 Kohm, 1/6W
(2001-000029) (2001-000043)

- C200 : Cap-Al. Elect. 100 uF/16V ¡æ Cap-Al. Elect. 22 uF/50V
(2401-000042) (2401-000966)

Application Date : March 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : March 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0016
Model :	MB-chassis	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : MB CHASSIS, Quality Improve - IC101 (LM1207) fail problem

Background : Because there is no spark(Ark) gap in G1 Pole, it damages IC 101 (LM1207)
(Symptom) during Ark electric discharge in inside of CRT.

Solution : Up grade of circuit: Add Spark Gap(300V) in between G1 and Ground.

Application Date : Feb. 25, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		*
	SEC Code	Description	SEC Code	Description	**I.C**

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : Feb. 25, 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0017
Model :	CFG-9637	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : CFG9637, Occur the Water fall noise when CFG-9637 running.

Background : Water fall noise in nomal running of CFG-9637.

(Symptom)

Cause : Circuit design error: Too high resistance value of TR Q607 base.

- R651 : 75 Kohm, 1/6W ¡æ 33 Kohm, 1/6W

Solution : R651 resistant change

- R651 : 75 Kohm, 1/6W ¡æ 33 Kohm, 1/6W

Application Date : Feb. 26, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		*
	SEC Code	Description	SEC Code	Description	**I.C**

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : Feb. 26, 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0018
Model :	GB-Chassis	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : GB CHASSIS, OSD Noise on VGA Mode during product Aging Test.

Background : OSD Noise on VGA Mode during product Aging Test.
(Symptom)

Cause : H-BLK pulse for OSD IC is distorted during Aging test and cause of OSD noise

Solution : Change of H-BLK

- R475 : R-CF, 18 Kohm, 1/6W ¡æ Delete
- C456 : Cer-Cap. 2.2nF /50V ¡æ Delete
- R478 : R-CF, 1 Kohm, 1/6W ¡æ Change to Diode 1N4148

¡Ø Solder Diode (+) pole to R478 PCB pattern on GND(Q414 of 'E' lead pattern)

Application Date : March 14, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : March 14, 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0019
Model :	QB-Chassis, SC428PT/PTL	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : QB CHASSIS, Quality Improve - Picture distortion at 48KHZ mode

Background : (Symptom) Because of charateristic diffrence of Horizontal Drive tr(Q403-BU2508DF), when Hfe goes up more than 12.5, TR temperture would increase and cause of defects.

Solution : To prevent temperture increase, change R419,R420, R468 parts.
(R419, R420, R468)

Application Date : March 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R419	2001-000042	R-Carbon, 1K, 1/4W	2001-000047	R-Carbon, 2.2K, 1/4W	C
R420	2001-000032	R-Carbon, 180 ohm, 1/4	2001-000027	R-Carbon, 100 ohm, 1/4	C
R468	2001-000015	R-Carbon, 0.5 ohm, 1/2\	2001-000002	R-Carbon, 0.27 ohm, 1\	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : March 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0020
Model :	CGK55X7	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : CGK55X7, Micom IC (IC201) programming type change

Background : Micom IC (IC201) programming type change from OPT ype to Masking type.

(Symptom)

Solution : Micom IC (IC201) change (OPT ¡æ Masking type)

Application Date : March 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0021
Model :	CGK-Chassis	**Bulletin Date :**	
Buyer :	All Subsidiary	**ECN Date :**	

SUBJECT : CGK Chassis, protect symtoms

Background : (Symptom)
1. X-Ray protect mode when change in models
2. Protect mode when inserting signal cable

Cause :
1. When change in model
   - Estimate as an unique defects on D204(Zener diode 6.2V)

2. When inserting Signal cable
   - Designed to be weak from exterior noise

Solution :
1. When change in model
   - D204 zener diode voltage change (6.2V ¡æ 6.8V)
     (Up grade protect point when change : 28KV ¡æ 30KV)
   - Change Tolerance of R463, R646 (5% ¡æ 1% type)

2. When inserting Signal Cable
   - Add Capacitor on MPU DPMS line (33uF /16V 2401-001166)

Application Date : March 1997

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )
Product Month :	March 1997	**Serial No.** (~ from)	
Published by :	**Checked by :**	**Approved by :**	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0022
Model :	GB-Chassis	**Bulletin Date :**	
Buyer :	All Subsidiary, HP	**ECN Date :**	

SUBJECT : GB CHASSIS, Quality Improve - 68KHz picture chetering

Background : - Quality improvement of vibration symtoms on D2830HP OEM model at 68KHZ

(Symptom) - Regardless of play mode or not, full screen is waving because of ripple noise at more than 40KHZ of voltage.

- It slightly shows at the beginning of power on mode but symtoms started to show significantly after a few minute.

Cause : Due to unstable circuit designing, as temperture goes up the more infulenced from outside noise.

Solution : - In order to eliminate noise, add pin 14 of IC202 and Capacitor in between the ground ,

- Add additional parts (C200: 10uF/16V 2401-000050) and up grade PCB pattern design.

Application Date : April 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : April 1997 **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0031
Model :	QB ALL MODEL	**Bulletin Date :**	July 11, 1997
Buyer :	All Subsidiaries	**ECN Date :**	March 14, 1997

SUBJECT : (QB)IMPROVEMENT OF NO POWER(Q403)

Background : (Symptom) When the horizontal output Tr(Q403;BU2508DF) used which it's value of Hfe is over 12.5, Failure happened during production.

Cause : When the value of Hfe is over 12.5, Temperature rising condition happens

Solution : Change the value R419, R420 and R468

Application Date : March.17.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R419	2001-000042	R-Carbon,1/4W 1K¥Ø	2001-000047	R-Carbon 2.2K¥Ø 1/4W	C
C420	2001-000032	R-Carbon,1/4W 180¥Ø	2001-000027	R-Carbon,1/4W 100¥Ø	C
R468	2001-000015	R-Carbon,1/2W(S) 0.5¥Ø	2005-000002	R-W.W,1W 0.27¥Ø	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None¡æNEW)	Parts deletion (OLD ¡æ Del.)

Application Reference( ) Defected sets by this symptom( ) All defected sets(O) Whole sets( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : March.97 **Serial No.** (~ from)

Published by : E.J.Hong **Checked by : J.S.Kim** **Approved by : B.W.Kang**

¡á Parts Change Information *** Bulletin No: 97-C/M-E0031**

¢ÁModel : QB ALL MODEL (Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R19	2001-000042	R-Carbon,1/4W 1K¥Ø	2001-000047	R-Carbon 2.2K¥Ø 1/4W	C
C420	2001-000032	R-Carbon,1/4W 180¥Ø	2001-000027	R-Carbon,1/4W 100¥Ø	C
R468	2001-000015	R-Carbon,1/2W(S) 0.5¥Ø	2005-000002	R-W.W,1W 0.27¥Ø	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

¡á Additional Information

When you replace R478 with Diode, the (+) port of Diode should be located in Ground PCB pattern of R479.

The ground pattern of R478 is the same as Emitter pattern of Q418

¡á Distribution List and Remarks *** Bulletin No:97-C/M-E0031**

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0045
Model :	CQA41*7	**Bulletin Date :**	July 10, 1997
Buyer :	All subsidiaries	**ECN Date :**	July 7, 1997

SUBJECT : Q403, Countermeasure of No-power (Q408,Q403)

Background : The failure of Q403,Q406,Q408,D406,D407 occured.
(Symptom)

Cause :
1. Lead soldering open happens in the field because Q406 touches the screw so, Q403, Q408, D406,D407 fails successively
2. Pd(Power dissipation) of Q408 happens when it changes from OFF-mode to Normal Mode.

Solution :
1. In the case of Lead soldering open of Q406, The screw type changed into spring type by the R&D part.
2. In the case of Pd of Q408, Add 1M¥Ø resistance between Gate and ground Q408. Attach it bottom of the PCB.

¡pplication Date : July.7.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R469	-		2001-000432	R-CAR 1M¥Ø,5%,1/4W	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → NEW Early (Prod.) → Late	OLD (Parts) → NEW Early (Prod.) → Late	OLD (Parts) → NEW Early (Prod.) → Late	OLD (Parts) → NEW Early (Prod.) → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : July. 1997 **Serial No.** (~ from)

Published by : E.J.HONG **Checked by** J.S.KIM **Approved by** B.W.KANG

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0045***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0046
Model :	GK ALL MODEL	**Bulletin Date :**	July 10, 1997
Buyer :	All subsidiaries	**ECN Date :**	July 7,1997

SUBJECT : C431, (GK-Mini-Neck) Change of focus trans (T402) input cap.(C431)

Background : (Symptom) As aging time goes by, Parabola Voltage for Dynamic focus was reduced about 50V in the GK chassis using Toshiba Mini-neck CRT

Cause : The Capacitane of the coupling capacitor(C431) changed by temperature which located in input of Focus trans(T402)

Solution : Change the type of C431 from ceramic type to PP type.

Application Date : July.7.97

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C431	2201-000019	CER,103Z,500V	2303-000122	PP,103J,630V	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )

Product Month :	July 1997	**Serial No.** (~ from)			
Published by :	E.J.HONG	**Checked by**	J.S.KIM	**Approved by**	B.W.KANG

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0046***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0047
Model :	CGK55*7	**Bulletin Date :**	July 28, 1997
Buyer :	All subsidiaries	**ECN Date :**	July 22, 1997

SUBJECT : CGK-55, Countermeasure for Power overuse in DPMS

Background : In AC 100V input, the power was overused in DPMS mode.
(Symptom)

Cause : We use Video Bias V/R which has minimum value in permissive boundary.
It cause that the feedback voltage from 52V line increase and it reduce the voltage in 3rd part of Power Tran so, power shut-down occur as UVLO circuit of KA3882 acts.

Solution : Broaden the limit of VR(variable resistance)

Application Date : July .9, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
VRR02	2103-000172	V/R 10K 1/10W, side	2103-000291	V/R 20K 1/10W side	C
VRG02	2103-000172	V/R 10K 1/10W, side	2103-000291	V/R 20K 1/10W side	C
VRB02	2103-000172	V/R 10K 1/10W, side	2103-000291	V/R 20K 1/10W side	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → NEW Early (Prod.) → Late	OLD (Parts) → NEW Early (Prod.) → Late	OLD (Parts) → NEW Early (Prod.) → Late	OLD (Parts) → NEW Early (Prod.) → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : E.J.HONG **Checked by** J.S.KIM **Approved by** B.W.KANG

¡á Distribution List and Remarks

** Bulletin No: 97-C/M-E0047*

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
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17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color Monitor	**Bulletin No. :**	97-C/M-E0048
Model :	GB ALL MODEL	**Bulletin Date :**	July 25, 1997
Buyer :	All subsidiaries	**ECN Date :**	July.10.1997

SUBJECT : GB ALL, COUNTERMEASURE FOR JITTERING NOISE

Background : Jittering noise occured when changing H-size at 35KHz/66Hz mode.
(Symptom)

Cause : Changing IC401 PLL GND as a countermeasure for image shaking.

Solution : Strengthen thd PLL GND of IC401 and change attaching point in bottom.
Attach 60mm wire between C437 and C205 GND, and
Attach 40mm wire between C401 and C405 GND.
see additional information.

Application Date : July .9, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
JW185	BH39-40306		-		F
Bottom(60)	-		BH39-40306C	60mm wire	E
Bottom(40)	-		Bh39-40361A	40mm wire	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out (O) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others ( )

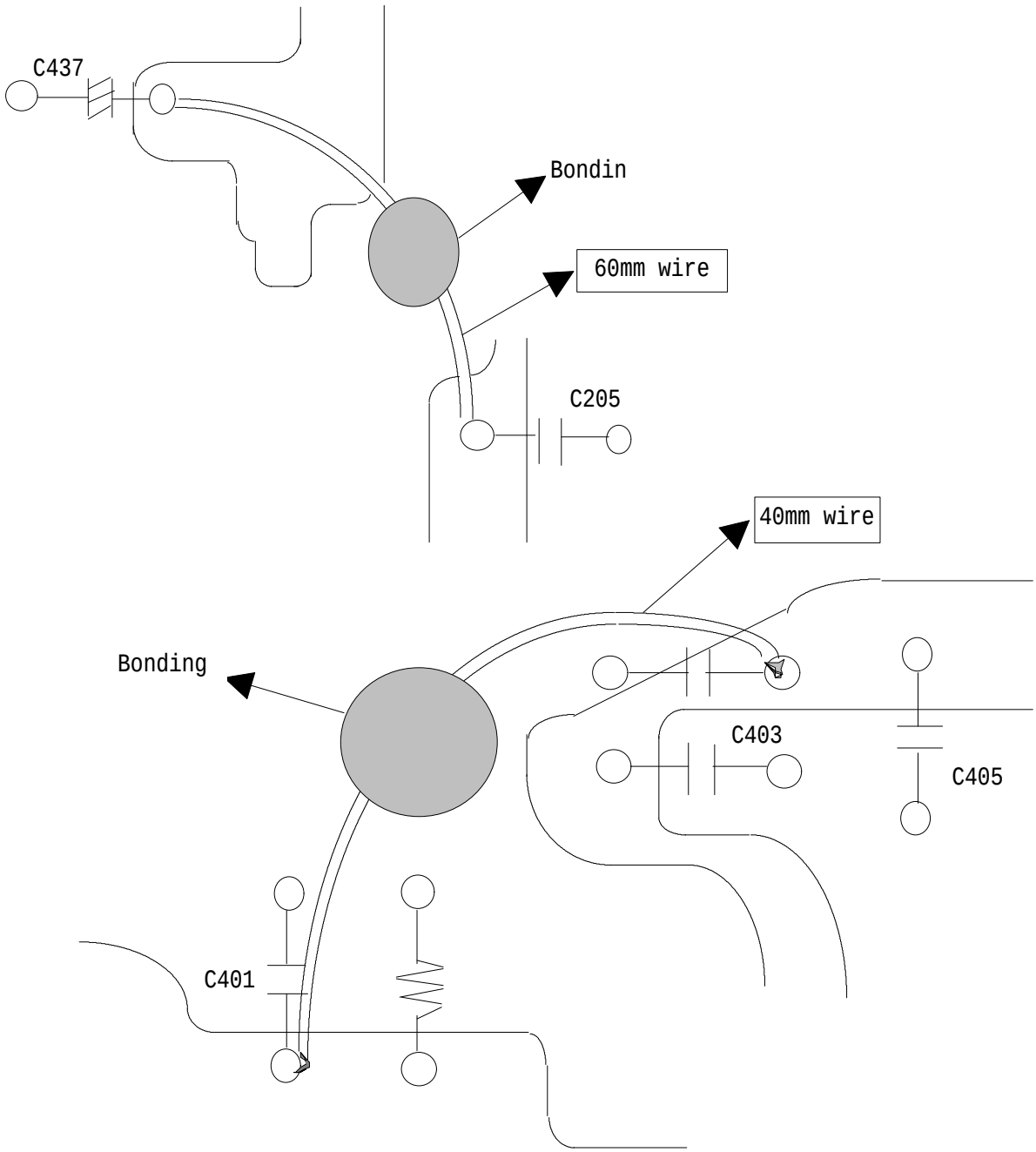
Product Month : **Serial No.** (~ from)

Published by : E.J.HONG **Checked by** J.S.KIM **Approved by** B.W.KANG

¡á Additional Information

**** Bulletin No: 97-C/M-E0048***

¡ß Go around and bond like pictures not to go through beneath IC401/IC402.



¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0048***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0049
Model :	CGE7**7	**Bulletin Date :**	August. 23, 1997
Buyer :	All subsidiaries	**ECN Date :**	July . 24. 1997

SUBJECT : CGE-77, CHANGE PBA ASS'Y ACCORDING TO THE UNIFICATION OF PCB**

Background : (Symptom) When they separate control PCB from video PCB, occasionally the control PCB was broken, so the other video PCB becomes useless too.

Cause : It is for service efficiency and product efficiency

Solution : We unified main &video PCB and saparated control PCB from video PCB. so. The ass'y code changed

Application Date : July.28.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	BH98-10001K	MAIN ASS'Y	BH98-10007J	MAIN ASS'Y	A
	BH98-10003A	MAIN ASS'Y	BH98-10007K	MAIN ASS'Y	A
	BH98-10001L	MAIN ASS'Y	BH98-10007L	MAIN ASS'Y	A
	BH98-10003T	MAIN ASS'Y	BH98-10007M	MAIN ASS'Y	A
	BH98-10006U	MAIN ASS'Y	BH98-10007N	MAIN ASS'Y	A
	BH98-10004A	MAIN ASS'Y	BH98-10007P	MAIN ASS'Y	A

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

ıblished by : E.J. HONG **Checked by : J.S. KIM** **Approved by : B.W. KANG**

¡á Parts Change Information **** Bulletin No: 97-C/M-E0049***

¢ÁModel : CGE7**7 (Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	BH98-20001F	VIDEO ASS'Y	BH98-20003E	VIDEO ASS'Y	A
	BH98-20001E	VIDEO ASS'Y	BH98-20003E	VIDEO ASS'Y	A
	BH98-20001D	VIDEO ASS'Y	BH98-20003E	VIDEO ASS'Y	A
	BH98-20001V	VIDEO ASS'Y	BH98-20003G	VIDEO ASS'Y	A
	BH98-20002N	VIDEO ASS'Y	BH98-20003G	VIDEO ASS'Y	A
	BH98-20001S	VIDEO ASS'Y	BH98-20003K	VIDEO ASS'Y	A
	BH98-20002D	VIDEO ASS'Y	BH98-20003L	VIDEO ASS'Y	A

¢ÁModel : CGE7507(S/MASTER) (Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	NONE		BH98-50001R	CONTROL ASS'Y	A

¢ÁModel : CGE7517(SAMTRON) (Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	NONE		BH98-50001S	CONTROL ASS'Y	A

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0049***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0050
Model :	CGX1609	**Bulletin Date :**	August. 27. 1997
Buyer :	All subsidiaries	**ECN Date :**	

SUBJECT : CGX1609, MODEL CONTROL PROGRAM

Background :

(Symptom)

Solution : The attached file is a program to control G/D & W/B of CGX1609 model.
This program can be used only for CGX1609. It should not be applied to 15" & 17" model. the file name is SOFTJIG(GX) and it is self-extracting file.
After extracting the file, by running 1000P.BAT you can control G/D & W/B.
The formation is the same as old CSG9511 but the forming data is different.
refer to Service manual for other detailed using method.

Application Date :

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early, Early → Late (Parts) (Prod.) NEW	OLD → Early, Early → Late (Parts) (Prod.) NEW	OLD → Early, Early → Late (Parts) (Prod.) NEW	OLD → Early, Early → Late (Parts) (Prod.) NEW	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others (O)

Product Month : **Serial No.** (~ from)

Published by : E.J. HONG **Checked by** J.S. KIM **Approved by :** B.W. KANG

¡á Adjustment program for CGX1609 model

**** Bulletin No: 97-C/M-E0050***

1. Caution

A. This program is for the manufacturer and service center only.
B. Do not let this program outside of manufacturer/service center.
C. Customers are not allow to use this program.

If you have any questions about how to use the program, contact tech info group.

2. Instruction for control program

A. File name : softjig.exe --- self extracting file.
B. Excute 1000p.bat on file list and can be adjusted G/D and W/B.
C. This file is same as exsisted old model# CSG9511, but data formation is diffrent.
D. Any other information about how to use a program, refer to service manual.

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0050***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SLSC	PANAMA	
3	SESC	U.K	
4	SGSC	UAE	
5	SASC	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0051
Model :	CGB ALL MODEL	**Bulletin Date :**	September.08, 1997
Buyer :	All subsidiaries	**ECN Date :**	July .01. 1997

SUBJECT : CGB ALL, CHANGE CF201 FOR PCB UNIFICATION.

Background :

(Symptom)

Cause :

Solution : Because of PCB unification, CF201 change to BH39-40357T from BH39-40359V.

Application Date : July.28.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
CF201	BH39-40359V	CBF-HARNESS	BH39-40359T	CBF-HARNESS	A

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : **Checked by :** **Approved by :**

¡á Distribution List and Remarks

** Bulletin No: 97-C/M-E0051*

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0052
Model :	CGB5607L(D) & S/M500B	**Bulletin Date :**	September.08, 1997
Buyer :	All subsidiaries	**ECN Date :**	July .01. 1997

SUBJECT : CGB-5607, COUNTERMEASURE FOR IMAGE SHIFT

Background :

(Symptom)

Cause : Image shift occurs in 69KHz/85Hz.

Solution : Change R456 to 1.8 ohm from 1.2 ohm.

Application Date : July.01.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R456	2003-000423	R-METAL,R 1.2¥Ø	2003-000820	R-METAL, R 1.8¥Ø	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : **E.J. HONG** **Checked by** **J.S. KIM** **Approved by** **B.W. KANG**

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0052***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SCSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0053
Model :	CGK ALL MODEL	**Bulletin Date :**	Sep 8, 1997
Buyer :	All subsidiaries	**ECN Date :**	Jul 24, 1997

SUBJECT : CGK ALL, IMPROVEMENT OF H/V PROTECTION (revised)

Background :

(Symptom)

Cause : When signal cable is connected in self raster mode, H/V protection happens.

Solution : To improve H/V protection, add resister(R244 ; 15K¥Ø, 1/6W).
The location is between base of Q201 and emitter of Q201. see attached circuit.
This change has already adapted to new PCB.

Application Date : July.25.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R244	none		2001-000367	15K¥Ø, 1/6W	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

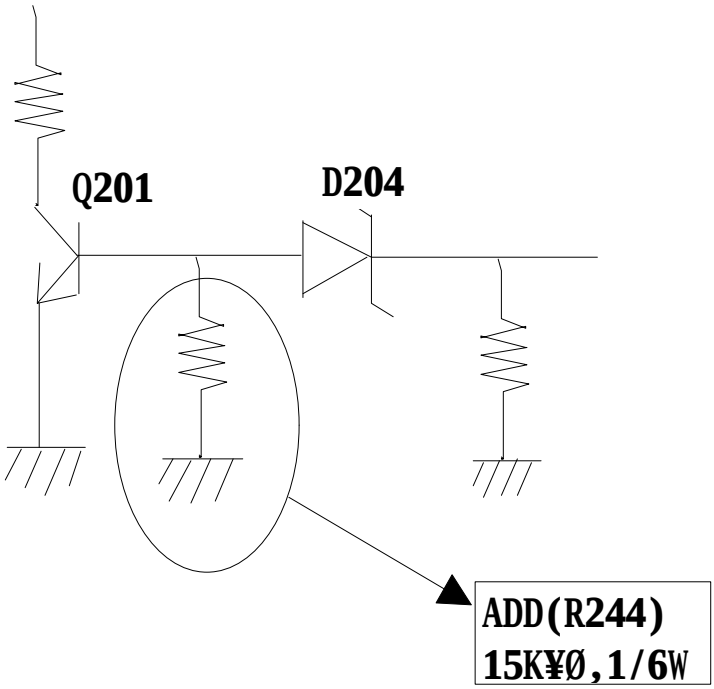
Attachment Schematic Diagram (O) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others ( )

Product Month : **Serial No.** (~ from)

Published by : **E.J. HONG** **Checked by** **J.S. KIM** **Approved by** **B.W. KANG**

¡á Additional Information

** Bulletin No: 97-C/M-E0053*



¡á Distribution List and Remarks

** Bulletin No: 97-C/M-E0053*

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SLSC	PANAMA	
3	SESC	U.K	
4	SGSC	UAE	
5	SASC	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0054
Model :	CGK ALL MODEL	**Bulletin Date :**	Sep 8, 1997
Buyer :	All subsidiaries	**ECN Date :**	Jul 25, 1997

SUBJECT : CGK ALL, IMPROVEMENT OF VERTICAL NOISE BAR (revised)

Background : (Symptom) In April, we attached a wire to strenghten the GND, but we find a new better way to strenghten the GND, so we changed the location of wire.

Cause : The noise bar is made by PWM noise. so we attached wire between GND of C112 and GND of C118 in April to strenghten GND. but it is better to attach the wire between GND of C112and GND of C111 .

Solution : The location of wire changed from GND of C118 to GND of C111. remove the wire from the GND of C118 and then reattach it to GND of C111. The other point should not be changed. See attached drawing.

Application Date : April.25.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	none		none		

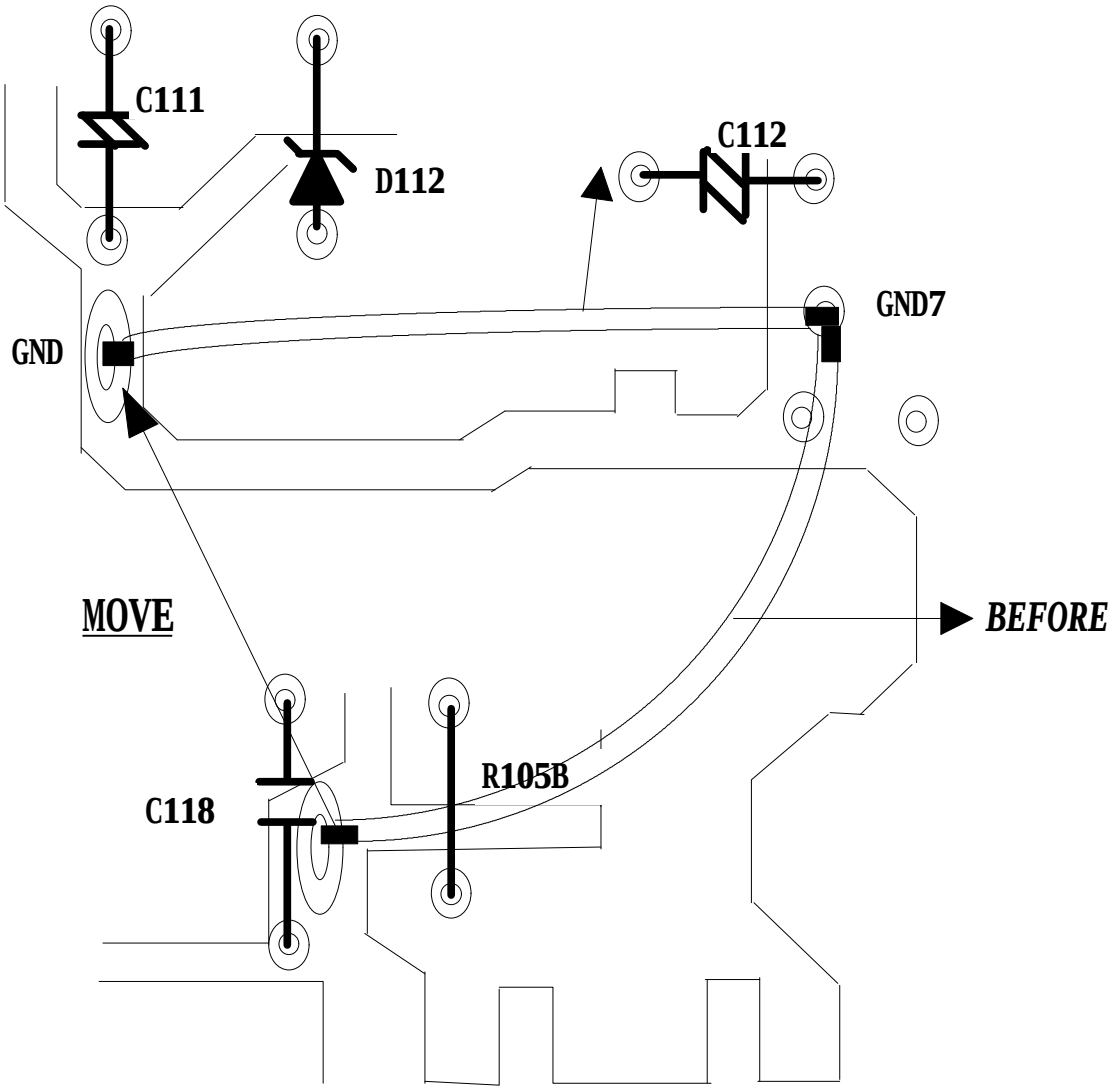
Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out (O)	Exploded View ( )
	Mechanical Diagram ( )	None ( )	Others ( )

Product Month :	**Serial No.** (~ from)	
Published by : E.J. HONG	**Checked by** J.S. KIM	**Approved by** B.W. KANG

¡á **Additional Information**

*** Bulletin No: 97-C/M-E0054**



¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0054***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SLSC	PANAMA	
3	SESC	U.K	
4	SGSC	UAE	
5	SASC	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0055
Model :	CGB ALL MODEL	**Bulletin Date :**	Sep. 08, 1997
Buyer :	All subsidiaries	**ECN Date :**	July .26. 1997

SUBJECT : CGB ALL, IMPROVEMENT OF RIPPLE NOISE

Background :

(Symptom)

Cause : Ripple noise occurs in 60KHz/75Hz

Solution : Add a capacitor (500V,33pF) in parallel with L406. attach one point of capacitor to any side of L406 and attach the other point of capacitor to the other point of L406.

Application Date : July.26.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R244	none		2201-000476	500V,33pF	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : E.J. HONG **Checked by** J.S. KIM **Approved by** B.W. KANG

¡á Distribution List and Remarks

** Bulletin No: 97-C/M-E0055*

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SAPL	Singapore	
2	SASC	Singapore	
3	SEA	USA	
4	SEAU	Australia	
5	SECA	Canada	
6	SECOSA	Spain	
7	SEDA	Brazil	
8	SEF	France	
9	SEG	Germany	
10	SEH	Hungary	
11	SEI	Italy	
12	SEJ	JAPAN	
13	SEM	Mexico	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SESC	U.K	
17	SGSC	UAE	
18	SLSC	PANAMA	
19	SMSC	Russia	
20	SPSC	China	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0056
Model :	CGB ALL MODEL	**Bulletin Date :**	1997-09-24
Buyer :	All subsidiaries	**ECN Date :**	1997-09-18

SUBJECT : CGB ALL, IMPROVEMENT OF OSCILLATORY NOISE

Background : (Symptom) Specially in AC 220~240V, Oscillatory Noise(or waterfall noise) occurred in screen. so, this change adopted to improve this noise.

Cause : There is a oscillatory noise (or waterfall noise) in the screen in AC 220~240V. And it comes from Power Feedback Line.

Solution : Change C621 from 1 nF to 1.5 nF.

Application Date : September.19.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C621	2201-000017	C-Ceramic,50V, 1nF	2201-000111	C-Ceramic,50V, 1.5nF	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by : E.J. HONG **Checked by** J.S. KIM **Approved by** B.W. KANG

¡á Distribution List and Remarks

** Bulletin No: 97-C/M-E0056*

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LSC	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
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17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0057
Model :	CGK,CGB,CGC Model	**Bulletin Date :**	Oct. 21, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 02, 1997

SUBJECT : CGK, Change Shaft-Power

Background : Touch problem between Shaft-Power and Switch-Guide

(Symptom)

Cause : Shaft-Power in 15" model revise a drawing decause it occurs touch problem between holder part of Shaft-Power and Switch-Guide.

Solution : Change Shaft-Power

Application Date : September.02.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
CIS	BH72-60010B	CMQ5387, PBT	BH72-60651A	CGK5507, PBT	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : September 1997 **Serial No.** (~ from)

Published by : T.J.WOO **Checked by : H.G.KWON** **Approved by : B.W.KANG**

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0057***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
7	CCs	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0058
Model :	CGE75*7	**Bulletin Date :**	Oct. 21, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 05, 1997

SUBJECT : CGE75*7, Countermeasure for IC502 failure

Background : No Video Raster
(Symptom)

Cause : Dut to some kind of abnormal impulse like CRT ARC.

Solution : Add a surge absorber and ceramic capacitor.

Application Date : September.05.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
SK501	None		4715-000001	1kV, +50-10%	E
C545	None		2202-002008	C-Ceramic,10nF,50V	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out (¡Û) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others ( )

Product Month : September 01, 1997 **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

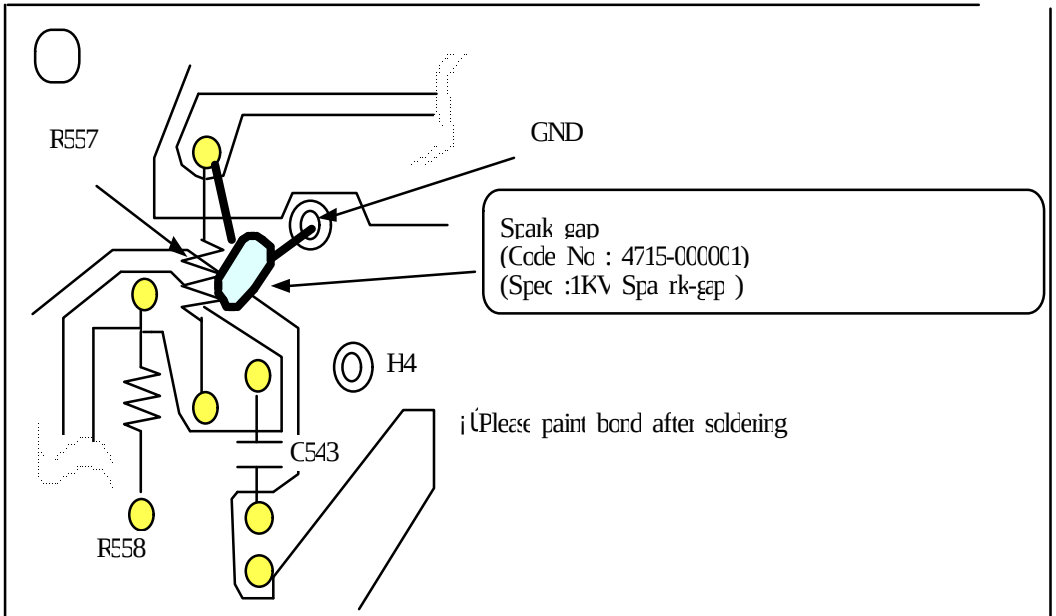
SAMSUNG ELECTRONICS

SERVICE BULLETIN

¡á Additional Information

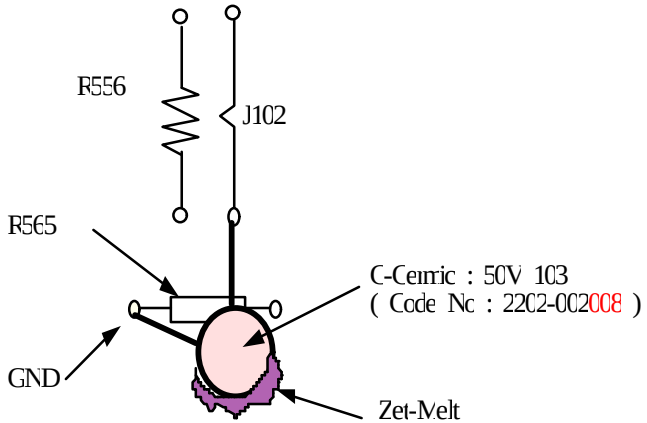
*** Bulletin No: 97-C/M-E0058**

How to add a spark gap



Under main PCB around the VR501

How to add a ceramic cap



Under main PCB around the VR501

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0058***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0059
Model :	CFG9637 model	**Bulletin Date :**	Oct. 24, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 09, 1997

SUBJECT : CFG9637, Improvement of H-Size problem and OSD bounding noise.

Background : (Symptom) H-Size is biased to maximum condition at 80kHz mode, and so cannot adjust OSD bounding Noise.

Cause : When using new trans(T402), H-Size distribution is biased to maximun condition.
H-Size is not adjusted and OSD bounding noise is generated.

Solution : Change Change R714 and C108.

Application Date : September.9.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R714	2001-000082	R-Carbon,68K,1/6W	2001-000079	R-Carbon,56K,1/6W	C
C108	2201-000011	C-Ceramic,47pF,50V	2201-000144	C-Ceramic,100pF,50V	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW Early (Prod.) Late	OLD (Parts) NEW Early (Prod.) Late	OLD (Parts) NEW Early (Prod.) Late	OLD (Parts) NEW Early (Prod.) Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : September 1997 **Serial No.** (~ from)

Published by : T.J.WOO **Checked by : H.G.KWON** **Approved by : B.W.KANG**

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0059***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCs	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0060
Model :	CGB ALL MODEL	**Bulletin Date :**	Oct. 21, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 10, 1997

SUBJECT : CGB, IMPROVEMENT OF H-Drive Problem and IRF630(Q410) failure

Background : To improve H-Drive problem and IRF630 Failure

(Symptom)

Cause : To improve H-Drive problem and IRF630 failure

Solution : Change 10 items.

Application Date : September.10.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C436	2301-000231	C-Film,3.3nF,100V	2301-000013	C-Film,4.7nF,100V	C
C403	2301-000012	C-Film,2.2nF,100V	2201-000376	C-Ceramic,220pF,50V	C
D413	0401-000005	1N4148,75V,150MA	BH39-40305U	Jumper Wire,52mm	C
D415	0401-000005	1N4148,75V,150MA	BH39-40305U	Jumper Wire,52mm	C
D417	0401-000005	1N4148,75V,150MA	BH39-40305U	Jumper Wire,52mm	C
D411	0402-000128	1N4002GP	0402-000274	UF4004,400V,1A	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : September **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

SAMSUNG ELECTRONICS

SERVICE BULLETIN

¡á Parts Change Information **** Bulletin No: 97-C/M-E0060***

¢ÁModel : CGB56*7 (Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R456	2003-000820	R-Metal,1.8ohm,3W	2003-000423	R-Metal,1.2ohm,3W	C
R437	2001-000083	R-Carbon,82K,1/6W	2001-000082	R-Carbon,68K,1/6W	C
R438	2001-000108	R-Carbon,18K,1/6W	2001-000072	R-Carbon,22K,1/6W	C
R644	3601-000120	R-Fusible,Fast Acting	3601-001092	R-Fusible,Slow Blow	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

¡á Distribution List and Rem **** Bulletin No: 97-C/M-E0060***

No.	**Subsidiary Distributor**	**Country**	**No.**	**Subsidiary Distributor**	**Country**
1	SEA	USA	11	SEG	Germany
2	SLSC	PANAMA	12	SEF	France
3	SESC	U.K	13	SECOSA	Spain
4	SGSC	UAE	14	SEP	Portugal
5	SASC	Singapore	15	SESAB	Sweden
6	SMSC	Russia	16	SEI	Italy
7	SPSC	China	17	SEH	Hungary
8	SECA	Canada	18	SEAU	Australia
9	SEM	Mexico	19	SAPL	Singapore
10	SEDA	Brazil	20	SEJ	JAPAN

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0061
Model :	CGH76*9 model	**Bulletin Date :**	Oct. 22, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 26, 1997

SUBJECT : CGH76*7, Improve the jitter noise

Background : Horizontal jitter noise on the top of screen at 68kHz mode.

(Symptom)

Cause : GH-Chassis are flowed in trigger noise from power sync at 68kHz, character pattern.
Because the tolerance of power trans(T602) is biased to max limits.

Solution : Change capacitor(C609).

Application Date : September.26.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C609	2201-000012	C-Ceramic,220pF,1kV	2201-000014	C-Ceramic,330pF,1kV	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month September 01, 1997 **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0061***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCs	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0062
Model :	CGK55*7 Model	**Bulletin Date :**	Oct. 22, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 25, 1997

SUBJECT : CGK55*7, Countermeasure for the ripple noise in low voltage AC input

Background : The ripple noise

(Symptom)

Cause : The ripple noise is generated at 53kHz/85Hz mode due to use low voltage AC input.

Solution : Delete Jumper wire and ground wire. Add new jumper wire.
First of all, please check PCB part no. and rev. no.
This must be applied to only BH41-10342P PCB(Rev. 1.1,1.2,1.3).
And if rev. no. is 1.0, you don't have to apply this countermeasure.

Application Date : September.25.1997

(Interchangeability Code : * **I.C**)

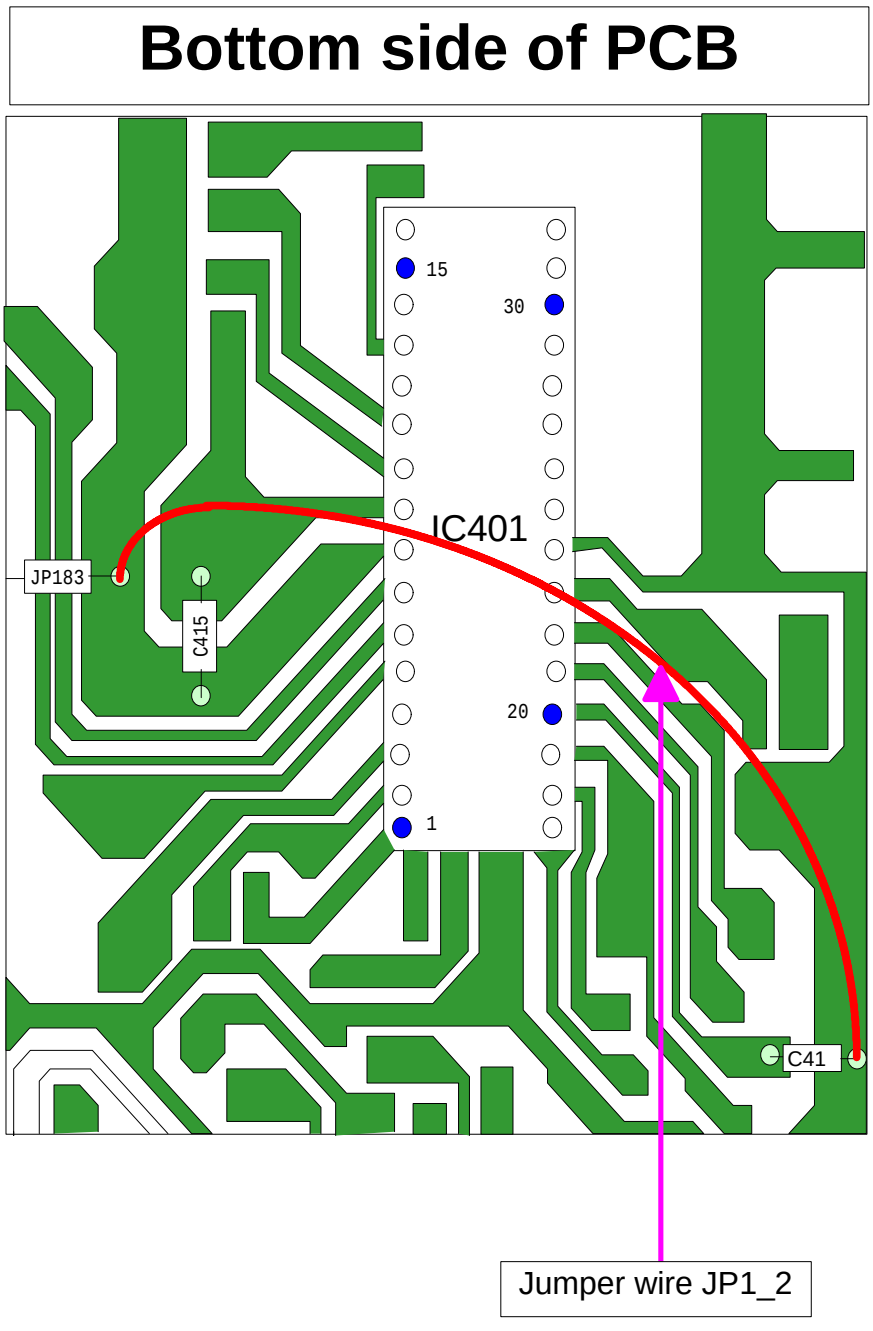
Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
JP76	BH39-40305U	Jumper wire, 52mm	Delete		F
GND4	BH39-40305X	Ground wire,100mm,RED	Delete		F
JP1_2	None		BH39-40306D	Jumper wire,80mm,BLK	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram ( )	PCB Lay-out (¡Û)	Exploded View ( )
	Mechanical Diagram ( )	None ( )	Others ( )
Product Month :	September 01, 1997	**Serial No.** (~ from)	
Published by :	T.J.WOO	**Checked by** H.G.KWON	**Approved by** B.W.KANG

¡á Additional Information

** Bulletin No: 97-C/M-E0062*



¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0062***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0063
Model :	CGK55*7 Model	**Bulletin Date :**	Oct. 22, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 25, 1997

SUBJECT : CGK55*7, Improve the vertical bar noise

Background : The vertical bar noise

(Symptom)

Cause : Changing the IC101 type from MA13281BP to 13281FYP makes the vertical noise.

Solution : First, Ckeck the IC101 type. If the type is MA13281BP, don't add jumper wire.
If the type is MA13281FYP, add new jumper wire.

Application Date : September.25.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
GND8	None		BH39-40361A	Jumper wire,40mm,BLK	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

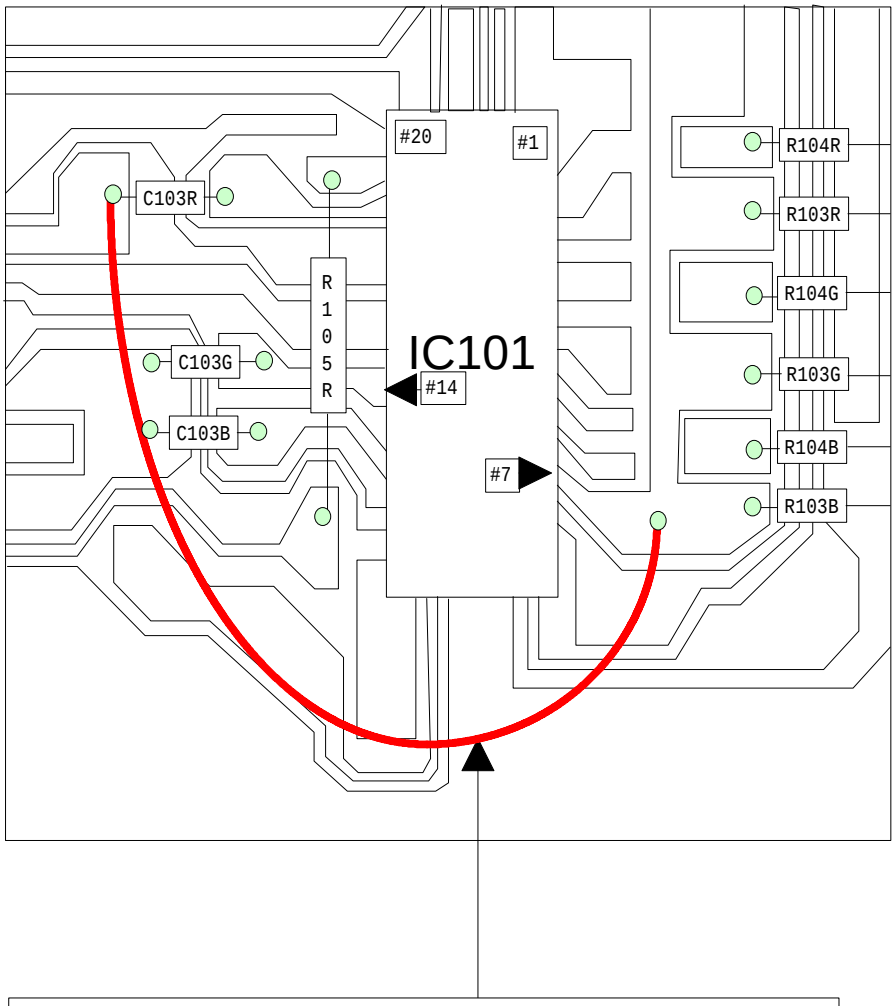
Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram ( )	PCB Lay-out (¡Û)	Exploded View ( )
	Mechanical Diagram ( )	None ( )	Others ( )

Product Month	September 01, 1997	**Serial No.** (~ from)	
Published by	T.J.WOO	**Checked by** H.G.KWON	**Approved by** B.W.KANG

¡á Additional Information

** Bulletin No: 97-C/M-E0063*

Bottom side of PCB



Please connect ground wire(GND8) like this thick wire

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0063***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0064
Model :	CGK55*7 Model	**Bulletin Date :**	Oct. 22, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep .22, 1997

SUBJECT : CGK55*7, Common usage with the TDA4855 and TDA4858

Background : (Symptom)
Philips cooperation was not cope with abrupt increasement of needs for the IC401 TDA4858(Autosync Deflection Controller), because many monitor manufacturer use the same IC.

Cause :

Solution :
We decided to use the TDA4855 same as TDA4858.
TDA4855 has same specification with TDA4858 in all aspects. Therefore, any other circuits around the TDA4855 is not changed. But only one additional function is added. That is Horizontal Focus Parabola with Amplitude Control.

Application Date : September.22.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
IC401	1204-001004	TDA4858	1204-001309	TDA4855	A

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (¡Û) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month September 01, 1997 **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0064***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0065
Model :	CGE75*7 Model	**Bulletin Date :**	Oct. 22, 1997
Buyer :	All subsidiaries	**ECN Date :**	Oct. 17, 1997

SUBJECT : CGE75*7, Improvement of B+ control problem

Background : Intermittant non-adjustable B+ voltage.
(Symptom)

Cause :

Solution : Change Resistor R630.

Application Date : October.17.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R630	2001-000464	R-Carbon, 2.4K, 1/6W	2004-004096	R-Metal, 2.52K, 1/4W	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : October 1997 **Serial No.** (~ from)

Published by : T.J.WOO **Checked by : H.G.KWON** **Approved by : B.W.KANG**

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0065***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0066
Model :	CFX1577 Model	**Bulletin Date :**	Oct. 25, 1997
Buyer :	All subsidiaries	**ECN Date :**	Jul. 01, 1996

SUBJECT : CFX1577, Improvement of L801 burn-out problem

Background : Screen flickering at 60kHz mode.
(Symptom)

Cause : Internal core of L801(Choke-Coil) is saturated due to current.
In this condition, it is generated Heat continuously and L801 is burnt out.

Solution : Change L801 and R834

Application Date : July.01.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
L801	BH27-20309G	5mH,DR6.5*7.5	BH27-20342U	7.1mH,DR8*11	C
R834	2001-000059	R-Carbon,5.6K,1/6W	2001-000064	R-Carbon,7.5K,1/6W	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month July 01, 1997 **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0066***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
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18	SEAU	Australia	
19	SAPL	Singapore	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0067
Model :	CMG73*7 model	**Bulletin Date :**	Nov. 12, 1997
Buyer :	All subsidiaries	**ECN Date :**	Jul . 01, 1996

SUBJECT : CMG73*7, Change type of IC601

Background : Change type of IC601

(Symptom)

Cause : Add voltage protection function.

Solution : Change IC601

Application Date : July.01.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
IC601	BH13-10303C	MP17L, 12Pin, 19.2V	BH13-10303C	MP17L, 14Pin, 19.2V	B

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram (O) None ( ) Others ( )

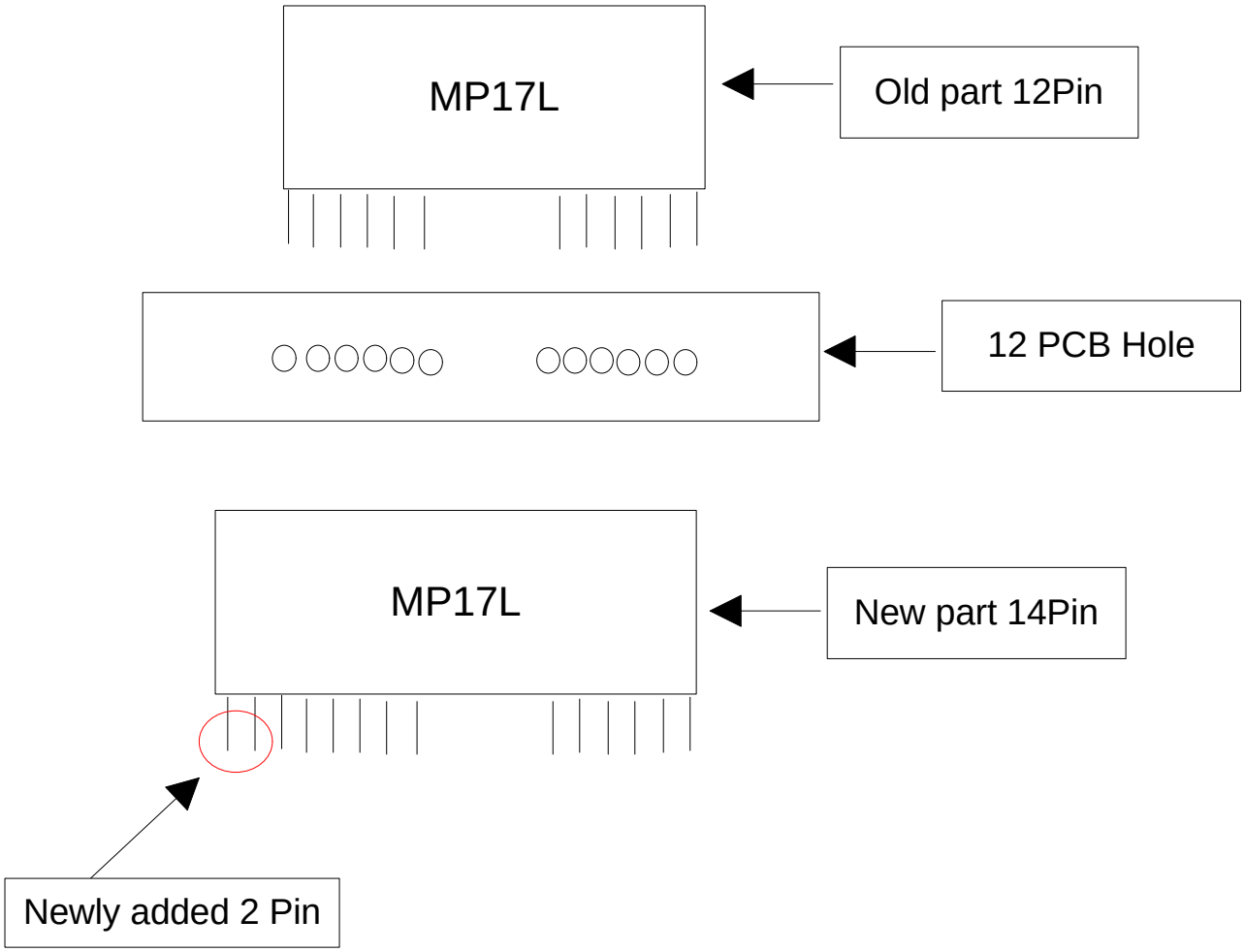
Product Month July 1996 **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

¡á Additional Information

** Bulletin No: 97-C/M-E0067*

In case of use new part to early products



If you want to use new part to early product with 12 PCB hole,
please cut above newly added 2 pin which is first 2 pin from left side of part and insert the part to hole.

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0067***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
6	SMSC	Russia	
7	CCS	China	
8	SECA	Canada	
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14	SEP	Portugal	
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16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0068
Model :	CGB56*7 model	**Bulletin Date :**	Nov. 14, 1997
Buyer :	All subsidiaries	**ECN Date :**	

SUBJECT : CGB56*7, Improvement of 68kHz/85Hz - Screen Noise & G/D

Background : (Symptom)
When change H or V-Size, noise occurs on the top of screen.
And when apply Top-screen noise solution,
G/D problem occurs on the top of screen.

Cause :
V-Blanking switching signal noise penetrated IC(IC401)
through ground(B+ control pattern).

Solution :
For top-screen noise, change C420 and add jumper wire.
For G/D problem, change C428 and R439.

Application Date :

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C420	2202-002008	50V, 103J	2201-000017	50V, 102	C
Jumper		None	BH39-40361A	40mm jumper wire	E
C428	2301-000017	C-Poly, 100V, 33nF	2301-000015	C-Poly, 100V, 10nF	C
R439	2001-000562	R-CF, 1/2W, 27K	2001-000889	C-CF, 1/6W, 6.8K	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others ( )

Product Month November 01 **Serial No.** (~ from)

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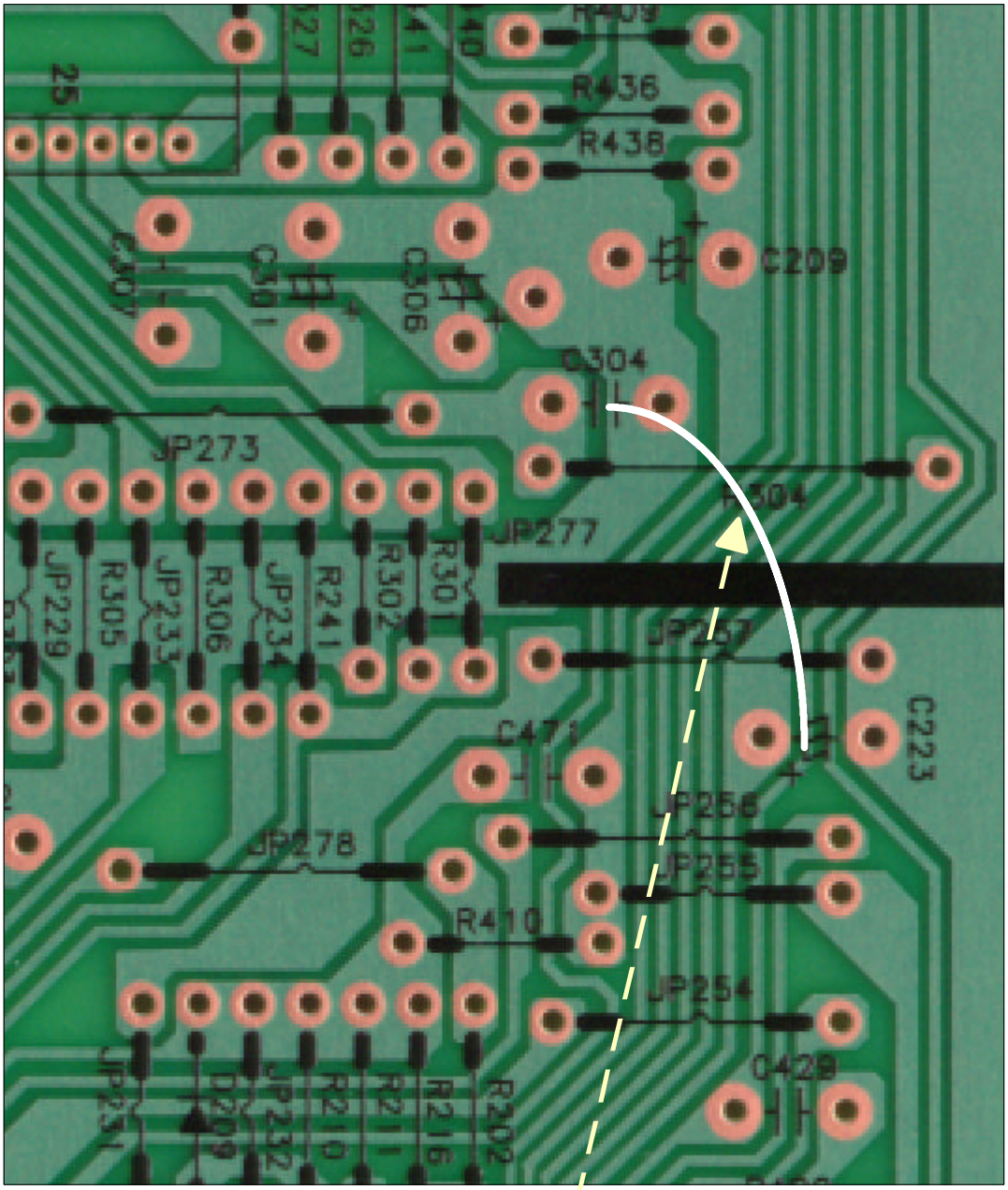
¡á Additional Information

** Bulletin No: 97-C/M-E0068*



Connect jumper wire like this line

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0068***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	ACS	Singapore	
2	CCS	China	
3	ECS	U.K	
4	GCS	UAE	
5	LCS	PANAMA	
6	SAPL	Singapore	
7	SEA	USA	
8	SEAU	Australia	
9	SECA	Canada	
10	SECOSA	Spain	
11	SEDA	Brazil	
12	SEF	France	
13	SEG	Germany	
14	SEH	Hungary	
15	SEI	Italy	
16	SEJ	JAPAN	
17	SEM	Mexico	
18	SEP	Portugal	
19	SESAB	Sweden	
20	SMSC	Russia	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0069
Model :	CMH73*9 model	**Bulletin Date :**	Nov. 27, 1997
Buyer :	All subsidiaries	**ECN Date :**	Sep. 01, 1996

SUBJECT : CMH73*9, Change type of HIC601

Background : Change type of HIC601

(Symptom)

Cause : Add voltage protection function.

Solution : Change HIC601

Application Date : September.01.1996

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
HIC601	BH13-10302Y	MP17H, 11Pin, 19.2V	BH13-10009A	MP17H, 12Pin, HIS0161A	B

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram (O) None ( ) Others ( )

Product Month September 1996 **Serial No.** (~ from)

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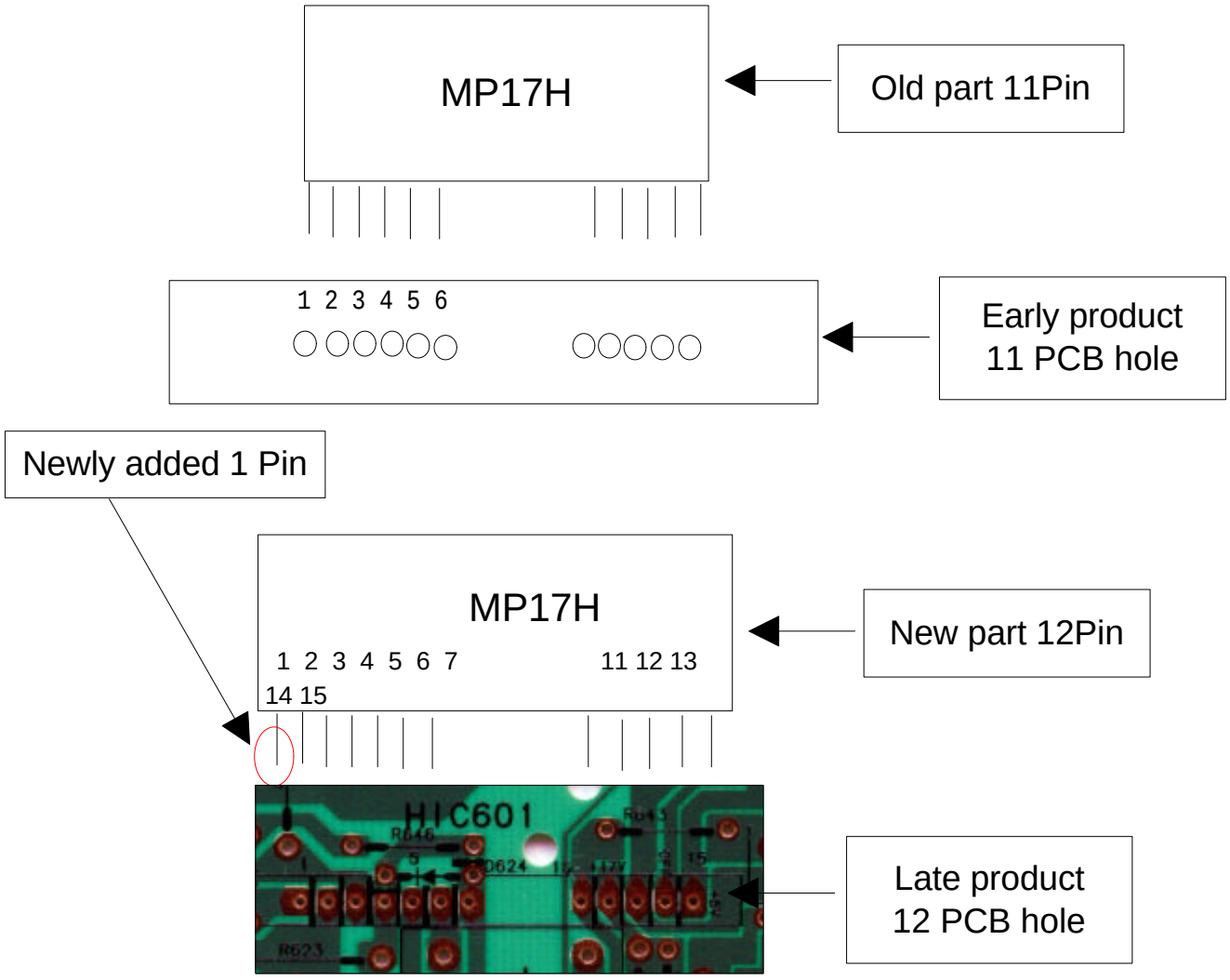
¡á Additional Information

** Bulletin No: 97-C/M-E0069*

In case of use new part to early products



If you want to use new part to early product with 11 PCB hole,
please cut above newly added 1 pin which is first pin from left side of part
and insert the part to PCB hole.

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0069***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SLSC	PANAMA	
3	SESC	U.K	
4	SGSC	UAE	
5	SASC	Singapore	
6	SMSC	Russia	
7	SPSC	China	
8	SECA	Canada	
9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0070
Model :	All Model	**Bulletin Date :**	Nov. 27, 1997
Buyer :	All subsidiaries	**ECN Date :**	Dec . 01, 1997

SUBJECT : ALL MODEL, Change monitor RESIN

Background : Change monitor RESIN for friendship with circumstances

(Symptom)

Cause :

Solution : Change monitor RESIN

Application Date : December.01.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month December 1997 **Serial No.** (~ from)

Published by T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

¡á Additional Information

**** Bulletin No: 97-C/M-E0070***

1. Current status

	Request standard	Confrontation Status
UL	Fire prevention	Use non-flammable RESIN(Over V0.)
TCO 95	Friendship with circumstances	Use harmless RESIN(ABS+PC ALLOY)

2. Forward direction

	Current	Forward	Remark
UL	ABS V0	ABS HB	Safety Standard
TCO 95	ABS + PC ALLOY		Certification completed

3.ABS HB

Model	Countermeasure	Due Date	Remark
G-Pro 17"	1)Enclosure inside monitor(Change existing shield)	97.11	Compatible
15"	2)Enclosure inside monitor(Add Metal Enclosure)	97.12	before and after
I-Pro 17"	1)Enclosure inside monitor(Change existing shield)	98.01	change.
15"	2)Enclosure inside monitor(Add Metal Enclosure)	98.01	Only TCO
14"	3)Use with ABS V0 without change	-	No change
S-Pro 19"	1)Enclosure inside monitor.	From	Apply when
17"	Use both as Enclosure and Shield.	starting	start development

4. Effect

- Simultanious confrontation for UL and TCO 95 with single ABS HB grade.
- Cost impact(Expected)

15 Inch		17 Inch	
TCO	UL	TCO	UL
$4.5/SET	$0.0/SET	$6.0/SET	$2.5/SET

- Improve cabinet productivity(~ 30%)

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0070***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
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3	ECS	U.K	
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5	ACS	Singapore	
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9	SEM	Mexico	
10	SEDA	Brazil	
11	SEG	Germany	
12	SEF	France	
13	SECOSA	Spain	
14	SEP	Portugal	
15	SESAB	Sweden	
16	SEI	Italy	
17	SEH	Hungary	
18	SEAU	Australia	
19	SAPL	Singapore	
20	SEJ	JAPAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0071
Model :	CKA all model	**Bulletin Date :**	Nov. 29, 1997
Buyer :	All subsidiaries	**ECN Date :**	Nov .07, 1997

SUBJECT : CKA, Countermeasure for shock noise

Background : There was a shock noise using axial type condensor at C311.
(Symptom)

Cause :

Solution : Change C311 from Axial type to Poly type.

Application Date : November.07.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C311	2202-002009	50V, 104, Axial	2301-000015	100V,100nF, Poly	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	OLD (Parts) NEW / Early (Prod.) Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month November 1997 **Serial No.** (~ from)

Published by : T.J.WOO **Checked by** H.G.KWON **Approved by** B.W.KANG

¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0071***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0072
Model :	CGE all model	**Bulletin Date :**	Dec. 02, 1997
Buyer :	All subsidiaries	**ECN Date :**	Nov. 26, 1997

SUBJECT : CGE, Change Zener Diode for better margin

Background : (Symptom) Zener diode ZD703 is located at the 5V line that is generated from the 13V SMPS rail. But when the 5V regulator(IC606) has the greatest variation, the diode doesn't allow for a little variation.

Cause :

Solution : Change Zener diode ZD703

Application Date : November.26.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
ZD703	0403-000005	UZ5.1B, 5.1V	0403-000508	BZX79C5V6, 5.6V, 5%	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (¡Û) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month November 1997 **Serial No.** (~ from)

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¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0072***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
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3	ECS	U.K	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0073
Model :	CKB all model	**Bulletin Date :**	Dec. 26, 1997
Buyer :	All subsidiaries	**ECN Date :**	Nov. 28, 1997

SUBJECT : CKB, Improve ringing problem

Background : Ringing problem
(Symptom)

Cause : Improve ringing

Solution : Change FBT to new one. There's no change of part number and spec.
But, new FBT has been added to resistor and inductor internally.
See attachment.

Application Date : November.30.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
T501	BH26-10335B	BAV21, 200V, 250mA	BH26-10335B	BAV21, 200V, 250mA	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out (O) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others ( )

Product Month November 01, 1997 **Serial No.** (~ from)

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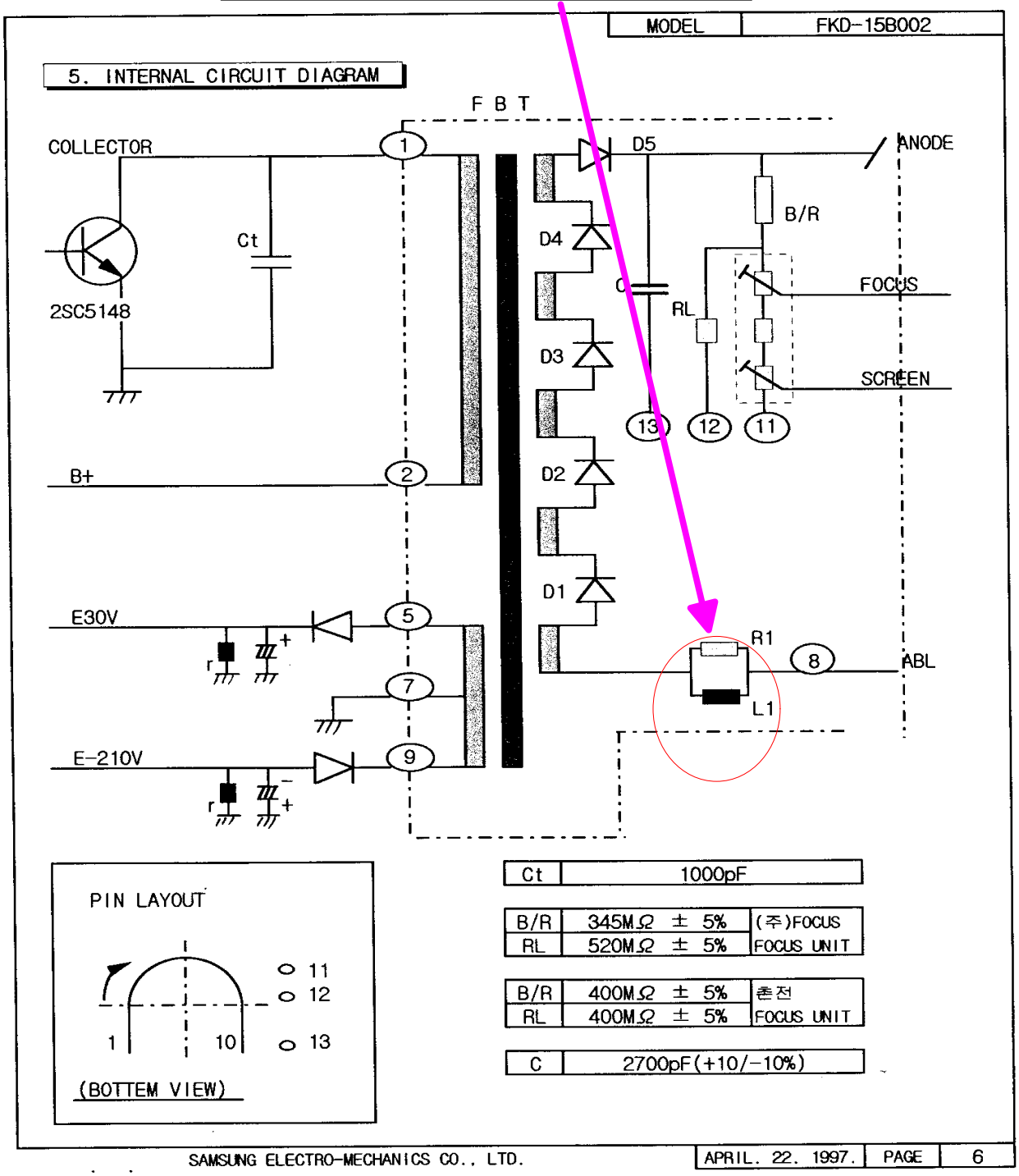
¡á Additional Information

* Bulletin No: 97-C/M-E0073

Newly added resistor and inductor



¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0073***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0074
Model :	CKA all model	**Bulletin Date :**	Dec. 27, 1997
Buyer :	All subsidiaries	**ECN Date :**	Dec. 12, 1997

SUBJECT : CKA, To improve moire problem and etc.

Background : Moire problem in CKA 14 and 15 inch monitor with SDD and Philips CRT.

(Symptom)

Cause :

Solution : For 14inch CKA model with SDD CRT, Change resistor R521.
For 15inch CKA model with SDD CRT, Change resistor R436.
For 15inch CKA model with Philips CRT, Change CRT.

Application Date : December.12.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R521	2001-000107	R-Carbon, 150k§Ù, 1/2W	2001-000114	R-Carbon, 180k§Ù, 1/2W	C
R436	2001-000836	R-Carbon, 51k§Ù, 1/6W	2001-000963	R-Carbon, 75k§Ù, 1/6W	C
CRT	BH03-10335X	Philips CRT without built-in tilt coil in DY	BH03-10339W	Philips CRT with built-in tilt coil in DY.	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month December 1997 **Serial No.** (~ from)

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¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0074***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
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3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0075
Model :	CKB all model	**Bulletin Date :**	Dec. 26, 1997
Buyer :	All subsidiaries	**ECN Date :**	Dec. 04, 1997

SUBJECT : CKB, To prevent touch capacitor with video shield

Background : Touch capacitor C131 with video shield

(Symptom)

Cause : Touch capacitor C131 with video shield

Solution : Change capacitor C131 to small size

Application Date : December.04.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
C131	2401-001367	470uF, 16V, 10X20mm	2401-001363	470uF, 16V, 10X12.5mm	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month December 1997 **Serial No.** (~ from)

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¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0075***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
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2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0076
Model :	CFX1577 model	**Bulletin Date :**	Dec. 27, 1997
Buyer :	All subsidiaries	**ECN Date :**	Dec. 15, 1997

SUBJECT : CFX1577, To improve V-size variation problem.

Background : At 85Hz vertical frequency mode, minimum V-Size is too large(270~280mm).
(Symptom) Normal minimum V-Size in spec is under 265mm.

Cause : Due to deviation of IC302 V-Ramp output.

Solution : Change R331, R309

Application Date : December.15.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R331	2001-000367	R-Carbon, 15k§Ù, 1/6W	2001-000889	R-Carbon, 6.8k§Ù, 1/6W	C
R309	2001-000067	R-Carbon, 10k§Ù, 1/6W	2001-000057	R-Carbon, 5.1k§Ù, 1/6W	C

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month January 1998 **Serial No.** (~ from)

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¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0076***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	LCS	PANAMA	
3	ECS	U.K	
4	GCS	UAE	
5	ACS	Singapore	
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0077
Model :	CFG9637 model	**Bulletin Date :**	Dec. 27, 1997
Buyer :	All subsidiaries	**ECN Date :**	Dec. 22, 1997

SUBJECT : CFG9637, Countermeasure for No-Raster and double trigger at 80kHz.

Background : No-Raster problem and double trigger at 80kHz H-Frequency.
(Symptom)

Cause : Dut to surge and noise in horizontal drive circuit.

Solution : For No-Raster problem, add resistor parallel with R460 and change R462, R463.
For double trigger, change capacitor C436 and delete C475.

Application Date : December.22.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
Resistor	None		2003-000578	R-Metal, 220§Ù, 2W	E
R462	2001-000034	R-Carbon, 220§Ù, 1/4W	2001-001138	R-Carbon, 390§Ù, 1/2W	C
R463	2003-000557	R-Metal, 2.2§Ù, 3W	2003-000692	R-Metal, 4.7§Ù, 3W	C
C436	2202-000517	C-Ceramic, 100V, 471J	2202-000394	C-Ceramic, 100V, 102J	C
C475	2305-000280	C-Film, 63V, 220nF	Delete		F

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )

Product Month	December 1997	**Serial No.** (~ from)	
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¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0077***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
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SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Color monitor	**Bulletin No. :**	97-C/M-E0078
Model :	LXA all model(TFT-LCD)	**Bulletin Date :**	Dec. 27, 1997
Buyer :	All subsidiaries	**ECN Date :**	Dec. 26, 1997

SUBJECT : LXA, Countermeasure for noise during fine adjustment and waterfall noise

Background : Noise occurs when adjust Fine and waterfall noise.
(Symptom)

Cause : Noise when adjust Fine : small H-Sync duty
which is input IC110 Schmit-Trigger inverter.
Waterfall noise : Noise which is generated at panel inverter is flowed to power circuit through 12V line.

Solution : For noise when adjust Fine, change R121 from 390§Ù to 430§Ù.
For waterfall noise, change L101 and add wire wound resistor between ground and 10th pin of 12pin connector which connect circuit and Inverter.

Application Date : December.22.1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R121	2007-000822	R-chip, 390ohm, 1/10W	2007-000904	R-chip, 430ohm, 1/10W	C
L101	2703-001070	100uH, 10%	2701-000154	220uH, 10%	C
Resistor		None	2005-000002	R-Wire wound, 0.27§Ù, 1W	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD → Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	OLD Early (Parts) (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : December 1997 **Serial No.** (~ from)

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¡á Distribution List and Remarks

**** Bulletin No: 97-C/M-E0078***

No.	Subsidiary Distributor	Country	Applicable Models or Remark
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